



RIVIAN AUTOMOTIVE, LLC

Application for Certification – Part 1 (Carryover)

2027 Model Year

EPA Manufacturer Code: RIV

Test Group: VRIVT00.0194

Durability Group: N.A. Evaporative Family: N.A.

Test Group Description:	Battery Electric Vehicle
Applicable Standards:	U.S. EPA: Tier 4 Bin 0 MDPV CA: ZEV MDPV
Carlines Covered:	Rivian R1T Quad (22in) Rivian R1S Quad (22in) Rivian R1T Quad (22in UHP) Rivian R1S Quad (22in UHP) Rivian R1T Quad (20in AT) Rivian R1S Quad (20in AT)
Document Date:	05/28/2026

For Questions, Contact:
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14600 Myford Road
Irvine, CA 92606

Ms. Hannah Frame
Implementation, Analysis, and Compliance Division
Office of Transportation and Air Quality
Environmental Protection Agency
2000 Traverwood, Ann Arbor, MI 48105

Subject: MY 2027 Rivian Medium-Duty Vehicle Initial Application (Update) for Issuance of Certificate of Conformity for Test Group VRIVT00.0194.

Rivian believes that all vehicles within this test group comply with all applicable regulations within Code of Federal Regulations Title 40 Parts 85, 86, 600, and California Code of Regulations Title 13 Division 3, Chapter 1, article 2, Sections 1963 Advanced Clean Trucks (ACT). This test group's certification pathway is ACT.

Vehicle Category:	Medium Duty Passenger Vehicle (8532 lbs. GVW)
Test Group:	VRIVT00.0194
Evaporative Family:	N/A
Federal Standard:	Tier 4 Bin 0
California Standard:	ZEV MDPV

Test Group Description:

1 - Rivian R1
9 - 9 Module Battery
4 - 4 AC Motors

Vehicles Covered by this certificate:

Rivian R1T Quad (22in)
Rivian R1S Quad (22in)
Rivian R1T Quad (22in UHP)
Rivian R1S Quad (22in UHP)
Rivian R1T Quad (20in AT)
Rivian R1S Quad (20in AT)

Your early review and issuance of the certificate will be greatly appreciated. If you have any questions, please email me at sepzaker@rivian.com or my phone number available on CDX.

Sep Zaker
Director, Homologation

 05/28/2026





14600 Myford Road
Irvine, CA 92606

Ms. Hannah Frame
Implementation, Analysis, and Compliance Division
Office of Transportation and Air Quality
Environmental Protection Agency
2000 Traverwood, Ann Arbor, MI 48105

Subject: MY 2027 Rivian Medium-Duty Vehicle OBD Letter for Issuance of Certificate of Conformity for Test Group VRIVT00.0194.

Rivian is a manufacturer of Battery Electric Vehicle, including R1T and R1S. Battery Electric Vehicles are exempt from OBD II requirements.

Vehicle Category:	Medium Duty Passenger Vehicle (8532 lbs. GVW)
Test Group:	VRIVT00.0194
Evaporative Family:	N/A
Federal Standard:	Tier 4 Bin 0
California Standard:	ZEV MDPV

Test Group Description:

1 - Rivian R1
9 – 9 Module Battery
4 - 4 AC Motors

Vehicles Covered by this certificate:

Rivian R1T Quad (22in)
Rivian R1S Quad (22in)
Rivian R1T Quad (22in UHP)
Rivian R1S Quad (22in UHP)
Rivian R1T Quad (20in AT)
Rivian R1S Quad (20in AT)

Your early review and issuance of the certificate will be greatly appreciated. If you have any questions, please email me at sepzaker@rivian.com or my phone number available on CDX.

Sep Zaker
Director, Homologation

 05/28/2026





14600 Myford Road
Irvine, CA 92606

Ms. Hannah Frame
Implementation, Analysis, and Compliance Division
Office of Transportation and Air Quality
Environmental Protection Agency
2000 Traverwood, Ann Arbor, MI 48105

Subject: MY 2027 Rivian Medium-Duty Vehicle Durability Letter for Issuance of Certificate of Conformity for Test Group VRIVT00.0194.

Rivian is a manufacturer of Battery Electric Vehicle, including R1T and R1S. Battery Electric Vehicles (no tailpipe emissions) are exempt from emissions equipment durability requirements.

Vehicle Category:	Medium Duty Passenger Vehicle (8532 lbs. GVW)
Test Group:	VRIVT00.0194
Evaporative Family:	N/A
Federal Standard:	Tier 4 Bin 0
California Standard:	ZEV MDPV

Test Group Description:

1 - Rivian R1
9 – 9 Module Battery
4 - 4 AC Motors

Vehicles Covered by this certificate:

Rivian R1T Quad (22in)
Rivian R1S Quad (22in)
Rivian R1T Quad (22in UHP)
Rivian R1S Quad (22in UHP)
Rivian R1T Quad (20in AT)
Rivian R1S Quad (20in AT)

Your early review and issuance of the certificate will be greatly appreciated. If you have any questions, please email me at sepzaker@rivian.com or my phone number available on CDX.

Sep Zaker
Director, Homologation

 05/28/2026





14600 Myford Road
Irvine, CA 92606

Mr. Richard Uyehara
Emissions Certification and Compliance Division (ECCD)
Air Resources Board
4001 Iowa Ave, Riverside, CA 92507

Subject: MY 2027 Rivian Medium-Duty Vehicles Initial Application (Update) for Issuance of an Executive Order for Test Group VRIVT00.0194.

Rivian believes that all vehicles within this test group comply with all applicable regulations within Code of Federal Regulations Title 40 Parts 85, 86, 600, and California Code of Regulations Title 13 Division 3, Chapter 1, Article 2, Section 1963 Advanced Clean Trucks (ACT). This test group's certification pathway is via ACT.

Vehicle Category:	Medium Duty Passenger Vehicle (8532 lbs. GVW)
Test Group:	VRIVT00.0194
Evaporative Family:	N/A
Federal Standard:	Tier 4 Bin 0
California Standard:	ZEV MDPV

Test Group Description:

1 - 1 Battery Pack
9 - 9 Module
4 - Ascent Quad Motor

Vehicles Covered by this certificate:

Rivian R1T Quad (22in)
Rivian R1S Quad (22in)
Rivian R1T Quad (22in UHP)
Rivian R1S Quad (22in UHP)
Rivian R1T Quad (20in AT)
Rivian R1S Quad (20in AT)

Your early review and issuance of the certificate will be greatly appreciated. If you have any questions, please email me at sepzaker@rivian.com or my phone number available on DMS.

Sepehr Zakeresfahani
Director, Homologation


2025/28/2026



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01.00.00 Communications

01.01.00 Mailing Information

Rivian Automotive, LLC
14600 Myford Road
Irvine, CA 92606
Attention: Sep Zaker

01.01.01 Certification Information

Rivian Automotive, LLC
14600 Myford Road
Irvine, CA 92606

01.01.02 Responsible official

Primary Contact:
Sep Zaker, Director, Homologation
sepzaker@rivian.com
14600 Myford Road
Irvine, CA 92606

02.00.00 Confidential Information

02.01.00 Statement of confidentiality

02.02.00 Test vehicle selection

02.03.00 Projected annual model-year sales

03.00.00 Facilities, equipment, and test procedures

03.01.00 (Reserved)

03.02.00 Battery pre-conditioning procedures (if necessary)

03.03.00 Configurations and Sub configurations

Program	A [lbf]	B [lbf/mph]	C [lbf/mph ²]	Curb Weight [lbs]	LVW [lbs]	Test Weight [lbs]	GVWR [lbs]	Tire Size
R1S Quad (22in)								
Conserve	41.29	0.1197	0.02519	6826	7126	7,000	8,532	275/50R22
All Purpose	41.48	0.0633	0.02714	6826	7126	7,000	8,532	275/50R22
R1T Quad (22in)								
Conserve	44.13	0.0404	0.02401	6814	7114	7,000	8,532	275/50R22
All Purpose	38.96	0.1598	0.02511	6814	7114	7,000	8,532	275/50R22
R1S Quad (20in AT)								
Conserve	57.29	0.1813	0.02625	6960	7260	7,500	8,532	275/65R20
All Purpose	59.64	0.1471	0.02625	6960	7260	7,500	8,532	275/65R20
R1T Quad (20in AT)								
Conserve	61.42	0.05830	0.02646	7013	7313	7,500	8,532	275/65R20
All Purpose	60.09	0.1462	0.02546	7013	7313	7,500	8,532	275/65R20
R1S Quad (22in UHP)								
Conserve	56.24	-0.04572	0.02796	6808	7108	7,000	8,532	F: 275/50R22 R: 305/45R22
All Purpose	56.01	-0.0389	0.02855	6808	7108	7,000	8,532	F: 275/50R22 R: 305/45R22
R1T Quad (22in UHP)								
Conserve	54.48	-0.03420	0.02728	6797	7097	7,000	8,532	F: 275/50R22 R: 305/45R22
All Purpose	58.68	-0.1266	0.02772	6797	7097	7,000	8,532	F: 275/50R22 R: 305/45R22

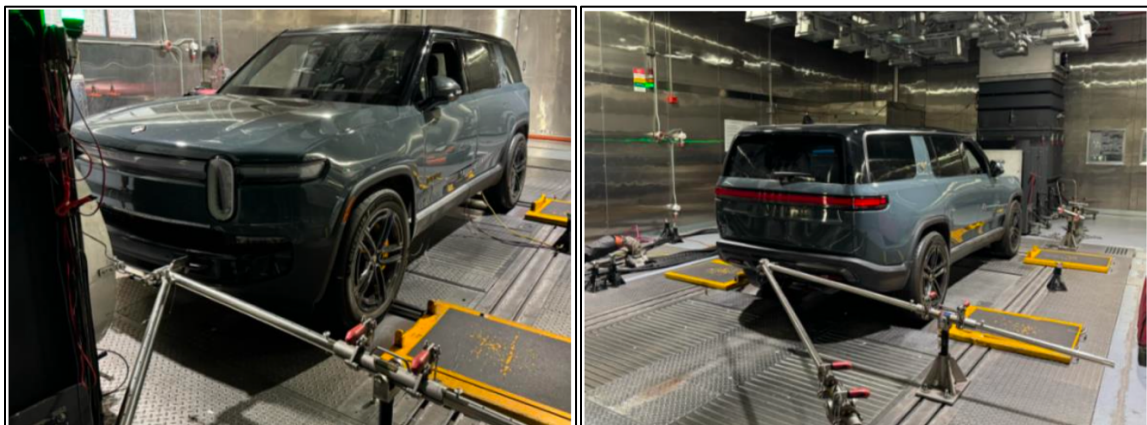
03.04.00 Test Procedures
03.04.01 Range Test Procedures

03.04.02 Description of Coastdown

03.05.00 Special Test Instructions

Vehicle Setup:

Bleyer rigid bar fixation system. Front bar fixed to the front tow hook, and rear bar fixed to the tow hitch receiver.



Instrumentation:

Battery voltage and current measurement were taken using a HBM Gen4TB power analyzer and Hioki CT684X-05 current clamps.

- Clamps installed to minimize number of measured current channels.
- Current clamp sizes were determined by the max combined circuit current.



Front/Rear Drive Units – 500A



eAC/eCH & OBC/DCDC/DCAC– 200A



Above: Hioki CT684X-05 current clamp and HBM Gen4TB power analyzer

AC Level 2 240 V/ 48 A (11.5 kW) charger was used for charging.

03.05.00 Statement of Compliance

Every vehicle which is covered by this application conforms to US EPA Federal Tier 4 Bin 0 regulations applicable to new Medium-Duty Vehicles and state of California ZEV regulations applicable to new Medium-Duty Vehicles for the 2027 Model Year.

04.00.00 (Reserved)

05.00.00 (Reserved)

06.00.00 Maintenance

06.01.00 Test vehicle scheduled maintenance

06.02.00 Recommended customer maintenance schedule

Maintenance schedule can be found in the Rivian owner's guide. It is available at <https://rivian.com/support/support-documents>

06.03.00 Lubricants and heater fuels if any

Transmission Oil:

BOT 350 M3 transmission fluid for dry electric drive units.

Typical Characteristics:

Test	Method	Units	
SAE Grade		-	75W
Density @ 15C, Relative	ASTM D1298	g/ml	0.852
Appearance Visual		-	clear
Viscosity, Kinematic 100°C	ASTM D445	mm ² /s	6.3
Viscosity, Kinematic 40°C	ASTM D445	mm ² /s	32
Viscosity Index		-	154
Viscosity, Brookfield @ -40°C	ASTM D2983	mPa.s (cP)	10000
Pour Point	ASTM D97	°C	-51
Flash Point, COC	ASTM D92	°C	226

Coolant: L228

Performance of L288 According to ASTM D3306

Table 1 – ASTM D3306 Results

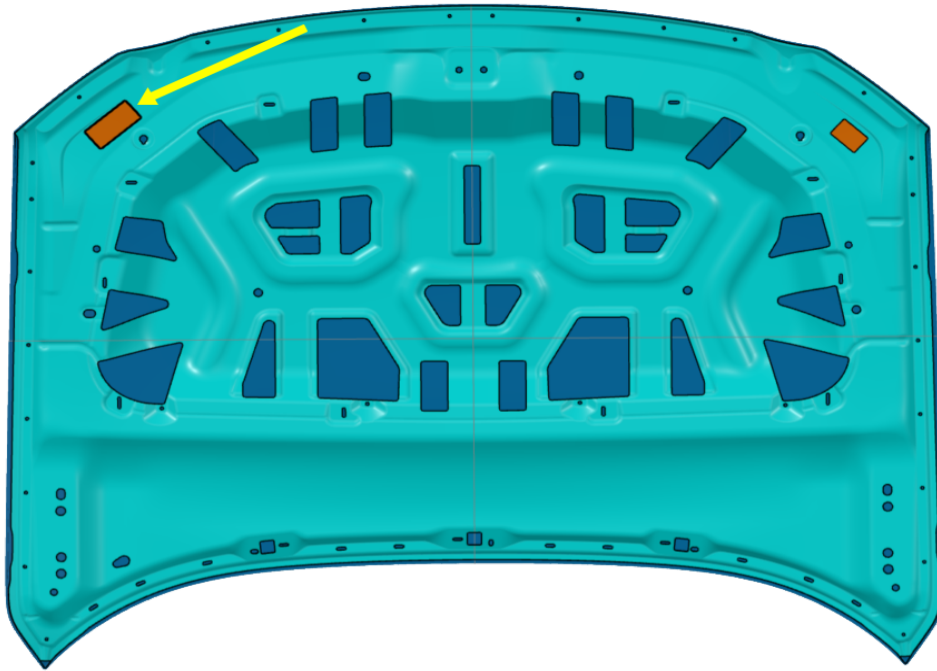
Item			ASTM D3306 Type I	CCI L288
Color			Distinctive	Yellow
Relative Density 15.5/15.5°C			1.110 ~ 1.145	1.128
Freezing Point °C	50 vol% in DI water		-36.4 max.	-37
Boiling Point °C	50 vol% in DI water		108 min.	109
Ash content mass%			5 max.	1.7
pH	50 vol% in DI water		7.5 ~ 11.0	7.6
Chloride μg/g			25 max.	<25
Water mass%			5 max.	3.8
Reserve Alkalinity mL			Report	8.0
Effect on Automotive Finish			No Effect	Pass
Corrosion in Glassware	Weight Loss ⁽¹⁾ mg/Specimen	Copper	10 max.	0.2
		Solder	30 max.	4.3
		Brass	10 max.	1.9
		Steel	10 max.	0.7
		Cast Iron	10 max.	1.4
		Aluminum	30 max.	+0.2
Simulated Service Test	Weight Loss ⁽¹⁾ mg/Specimen	Copper	20 max.	0.7
		Solder	60 max.	6.9
		Brass	20 max.	5.9
		Steel	20 max.	0.2
		Cast Iron	20 max.	3.3
		Aluminum	60 max.	0.1
Corrosion of Cast Aluminum Alloys at Heat-Rejecting Surfaces mg/cm ² /week			1.0 max.	0.1
Foaming	Volume mL		150 max.	20
	Break Time s		5 max.	3
Cavitation-Erosion Rating for pitting, cavitation, and erosion of the water pump			8 min.	9

Note (1): A plus sign designates weight gain.

07.00.00 Vehicle Emission Control Information (VECI) and Environmental

07.01.00 VECI Label locations

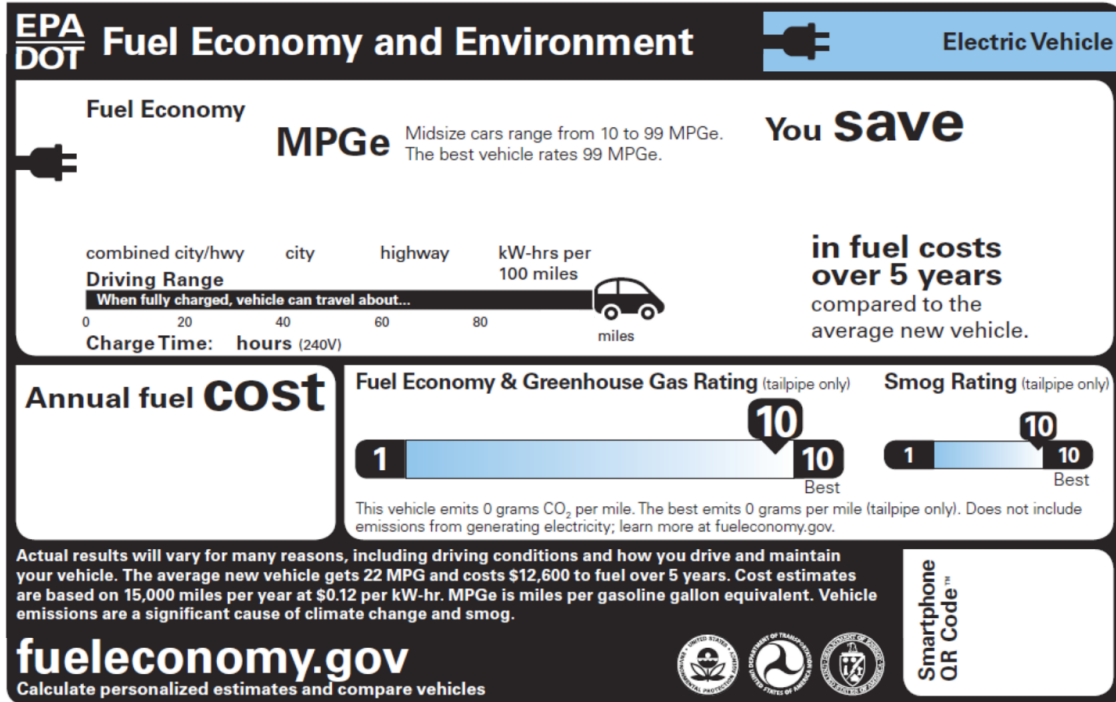
Under-hood, passenger-side, near front of the vehicle.



07.02.00 Sample VECI labels (MY2027 Sample Label):



07.03.00 Sample Fuel Economy Label (Formerly called the Smog Index label)



07.04.00 Statement of compliance

Every vehicle which is covered by this application conforms to US EPA Federal Tier 4 Bin 0 regulations applicable to new Medium Duty Passenger Vehicles and state of California ZEV regulations applicable to new Medium-Duty Vehicles for the 2027 Model Year.

07.05.00 Sample Battery Specification Label

08.00.00 General technical description
08.01.00 Description of Propulsion System

08.01.01 Description of Vehicle Architecture

08.01.02 Description of Drive Unit Architecture

08.01.03 Description of Motor(s)

08.01.04 Description of Gearbox(s)

08.01.05 Description of Inverter(s)

08.01.06 Description of Drivetrain(s)

08.03.00 Description of Batteries

08.03.01 Battery charging capacity

08.03.02 Self-discharge information

Rivian estimates the average self-discharge rate of the battery is less than 4% per month.

08.03.03 Description of thermal management system

08.03.04 Definition of end-of-life

See section 08.03.05 for information on reuse strategy.

08.03.05 Description of battery disposal plan

Safe battery removal and discharge by Rivian service is recommended. Rivian service will determine which battery components meet standards for reuse. Rivian prioritizes the remanufacture of battery components into equivalent vehicle parts, then consumption in 2nd life applications. For components which do not meet the necessary standards, Rivian approved partners will transport, break down and recycle all materials used within the battery.

Rivian is pursuing UL 1973 certification of vehicle battery modules to enable their reuse for 2nd life grid storage applications. Rivian also plans to develop a process to evaluate the suitability of modules from field returned packs for reuse for grid storage applications in line with UL 1974 (Standard for Evaluation for Repurposing Batteries).

If a facility other than one approved by Rivian intends to dispose of the HV Battery or components, the vehicle owner and/or facility assume the responsibility to comply with any local or federal standards that may apply. A certificate from the recycler should be obtained as proof the materials were properly and legally disposed of.

08.04.00 Description of Controller/Inverter

See Section 08.01.05

08.05.00 Description of Transmission

See Section 08.01.04

08.06.00 Description of climate control system

- Rivian's climate control is a Dual Zone system with Automatic Temperature control.
- HVAC predominantly includes Defrost mode, Panel mode, and Floor mode (or any combination of these three).
- The vehicle could be remotely conditioned to a comfortable climate setpoint using a Mobile Application.
- The system consists of four electronically controlled face vent to direct airflow around passengers.
- The recirculation door is independently controlled by the passengers.
- Auto humidity control.
- Auto/manual blower fan control.

08.06.01 Electric Heat Pump

08.06.02 (Reserved)

08.06.03 Climate control system logic

HVAC software has multiple modes which can be selected based on user preference:

- In Manual Mode, the user has complete control on blower speed, temperature, and airflow distribution to face or feet. Recirculation of air is also manually controlled by the user.
- In Auto mode, the software provides adequate heating and cooling requests to control the breathing temperature of both driver and passenger to the requested setpoint. In this mode, the airflow distribution and the blower speeds are automatically selected to maintain the desired temperature from the screen. The software estimates the breathing temperature of individual passenger based on airflow through ducts, In-Cabin sensors, external ambient temperature sensors, and solar load sensors. Recirculation of air inside the cabin is automatically selected based on humidity level inside the cabin.
- Additionally, defrost or demist mode is provided to the user for a clear view while driving. During defog mode, the software supplies conditioned air towards the windshield based on the dew point calculation. If the desired mode is Defrost, the heat pump blows hot air towards the windshield to clear frost.

08.06.04 (Reserved)

08.07.00 Description of Regenerative Braking System

08.07.01 Control logic

08.07.02 Percentage of braking performed on road by each axle

08.07.03 Overlap of friction brakes and regenerative braking

08.08.00 Description of charger

Rivian R1T and R1S will be compatible with SAE J1772 using an approved adapter. A complementary J1772 AC Adapter will be provided with the vehicle to enable this NACS vehicle to charge on J1772 chargers during delivery.

AC Adapter Specifications

Specification	Description
Product part number	PT01472026
Product type	J1772 AC Adapter for NACS vehicles
Compatibility	J1772 AC chargers
Rate voltage	250V

Use the J1772 AC adapter with J1772 AC L2 chargers only. Don't attempt to use the adapter with a DC fast charger.

08.08.01 Proper recharging procedures

Detailed instructions can be found in the owner's guide.

08.08.02 Power requirements necessary to recharge vehicle

The Rivian R1T and R1S complies with industry standard NACS for AC Level 1 (120 VAC) and AC Level 2 (240 VAC) charging.

See section 08.08.00 for power adapters.

AC Level 1 charging requires a conventional 110-120 Volt AC grounded outlet capable of the rating of the EVSE to be used. A portable EVSE cord set that is capable of AC Level 1 charging is included with the vehicle.

AC Level 2 charging requires a 220-240 Volt AC outlet capable of the rating of the EVSE to be used.

08.09.00 Accessories which draw energy from the batteries

08.10.00 Other unique features (e.g. solar panels)

N/A

08.11.00 Description of warning system(s) for maintenance / malfunction

The Rivian vehicles communicate maintenance and malfunction needs to the driver through easy-to-read and timely notifications. If issues do occur, the notification system uses a combination of telltales, texts, and visuals to explain the situation. Our notifications are simple to understand, communicate when the vehicle needs service, and alerts customer if an issue arises. The customer leaves the experience feeling confident knowing the system explains the proper actions to take. Any notifications that appear in the driver's instrument cluster retire to the center display so the driver can recall still relevant notifications later.

The Rivian R1S and R1T provide warning tell-tale lights on the driver's display for minor and major defects. A message and audible tone may also be provided for some major defects. Detailed descriptions of the warnings can be found in the owner's guide.

08.11.01 Cut off terminal voltages for prevention of battery damage

Battery management control system is programmed to prevent a state of under-voltage or over-voltage per the voltage limits defined by Rivian. Contactor opens and DTCs are set when voltage of the battery is below 315 V (264.6V if cell temperature is below 5°C) or above 459 V.

09.00.00 (Reserved)

10.00.00 (Reserved)

11.00.00 Starting and shifting schedules

12.00.00 (Reserved)

13.00.00 (Reserved)

14.00.00 (Reserved)

15.00.00 (Reserved)

16.00.00 (Reserved)

17.00.00 California requirements

17.01.00 Statement of compliance

Every vehicle which is covered by this application conforms to US EPA Federal Tier 4 Bin 0 regulations applicable to new Medium Duty Passenger Vehicles and state of California ZEV regulations applicable to new Medium-Duty Vehicles for the 2027 Model Year.

17.01.01 General statement

Rivian confirms that the production vehicles covered by this application will be substantially the same as the vehicles tested for the purposes of this application.

17.01.02 Drivability statement

As of 01/01/2006, This statement is no longer included in the California Exhaust Emission Standards and Test Procedures.

17.02.00 Supplemental Data and Certification Review Sheets

See end of document for ZEV Supplemental Sheets

17.03.00 (Reserved)

17.04.00 Credits

17.04.01 Description of multi-manufacturer arrangements

N/A

17.04.02 Credit calculation

17.05.00 Vehicle Safety

The Rivian architecture comprises a body attached to a skateboard frame structure. The primary structure encompasses engineered crush zones used to, in case of crash, absorb the crash energy. The “safety cage” comprises of body pillars, side impact bars, floor sills and roof rails (working with other structural elements) and with an advanced optimized restraint system to help properly restrain and protect occupants.

17.05.01 All information for safe operation of vehicle

See sections 03.04.00, 03.05.00, and 11.00.00.

17.05.02 Information on safe handling of battery system

17.05.03 Description of emergency procedures

Test Results:

R1S Quad (22in UHP) Conserve

EPA EV Multicycle Calculator (SAE J1634 Oct 2012)

Manufacturer: RIVIAN

Carline: R1S

Model Year: 2026

Vehicle: R1S 1823 (22" UHP)

Test Number

Comments: CONSERVE

Lab: NVFEL

Test Date: 5/2/2025

D.Good

March 8, 2016

Cycle	Energy (Wh)	Distance (mi)	ECdc_cyc	Kuwt	Kwgt	Recharge AC WattHrs
UDDS1	2099.79	7.393	284.02	71.01	4.34	158659.00
UDDS2	1930.15	7.414	260.35	65.09	85.46	
UDDS3	1893.88	7.413	255.48	63.87	83.86	
UDDS4	1886.76	7.426	254.07	63.52	83.40	
HWY1	3003.81	10.235	293.48	146.74		
HWY2	2870.41	10.241	280.29	140.15		
SS1	110739.94	306.244	361.61			
SS2	13147.24	36.791	357.35			
TOTAL	137571.98	393.157				

K-Factors	UDDS1	UDDS2	UDDS3	UDDS4	HWY1	HWY2
Unweighted	0.250	0.250	0.250	0.250	0.500	0.500
Weighted	0.015	0.328	0.328	0.328	NA	NA

Results	Range (mi)	AC Wh/mi	MPGe	kWh/100mi	EPA version kWh/100mi
UDDSu	522.13	303.87			
UDDSw	535.19	296.46	113.6931	29.6456	29.64559
HWY	479.54	330.86	101.8715	33.0858	33.08580

MCT Results	whdc/mi	mi/kwhdc	mi/kwhac
UDDS	257.055	3.890	3.373
HFEDS	286.884	3.486	3.022

R1S Quad (22in UHP) All-Purpose

EPA EV Multicycle Calculator (SAE J1634 Oct 2012)

Manufacturer: RIVIAN
Carline: R1S
Model Year: 2026
Vehicle: R1S 1823 (22" UHP)
Test Number:
Comments: ALL PURPOSE
Lab: NVFEL
Test Date: 5/7/2025

D.Good March 8, 2016

Cycle	Energy (Wh)	Distance (mi)	ECdc_cyc	Kuwt	Kwgt	Recharge AC WattHrs
UDDS1	2514.61	7.402	339.73	84.93	6.18	158036.00
UDDS2	2262.20	7.399	305.76	76.44	100.07	
UDDS3	2164.70	7.410	292.11	73.03	95.60	
UDDS4	2155.94	7.421	290.52	72.63	95.08	
HWY1	3586.00	10.238	350.27	175.14		
HWY2	3397.48	10.240	331.80	165.90		
SS1	107676.56	254.352	423.34			
SS2	14577.33	33.303	437.72			
TOTAL	138334.82	337.764				

K-Factors	UDDS1	UDDS2	UDDS3	UDDS4	HWY1	HWY2
Unweighted	0.250	0.250	0.250	0.250	0.500	0.500
Weighted	0.018	0.327	0.327	0.327	NA	NA

Results	Range (mi)	AC Wh/mi	MPGe	kWh/100mi	EPA version kWh/100mi
UDDSu	450.56	350.76			
UDDSw	465.90	339.21	99.3636	33.9209	33.92086
HWY	405.63	389.61	86.5105	38.9606	38.96057

MCT Results	whdc/mi	mi/kwhdc	mi/kwhac
UDDS	296.922	3.368	2.948
HFEDS	341.036	2.932	2.567

R1S Quad (20in AT) Conserve:

EPA EV Multicycle Calculator (SAE J1634 Oct 2012)

Manufacturer: RIVIAN

Carline: R1S

Model Year 2026

Vehicle R1S 1823 (20" AT)

Test Number

Comments: CONSERVE

Test Date 3/25/2025

D.Good

March 8, 2016

Cycle	Energy (Wh)	Distance (mi)	ECdc_cyc	Kuwt	Kwgt	Recharge AC WattHrs
UDDS1	2284.54	7.412	308.23	77.06	5.09	161344.54
UDDS2	2073.69	7.433	278.99	69.75	91.46	
UDDS3	1978.24	7.391	267.65	66.91	87.74	
UDDS4	2011.82	7.420	271.12	67.78	88.88	
HWY1	3188.42	10.238	311.44	155.72		
HWY2	3049.26	10.256	297.30	148.65		
SS1	109685.01	292.972	374.39			
SS2	14093.73	37.459	376.25			
TOTAL	138364.70	380.581				

K-Factors	UDDS1	UDDS2	UDDS3	UDDS4	HWY1	HWY2
Unweighted	0.250	0.250	0.250	0.250	0.500	0.500
Weighted	0.017	0.328	0.328	0.328	NA	NA

Results	Range (mi)	AC Wh/mi	MPGe	kWh/100mi	EPA version kWh/100mi
UDDSu	491.53	328.25			
UDDSw	506.51	318.54	105.8098	31.8543	31.85434
HWY	454.59	354.92	94.9646	35.4922	35.49219

MCT Results	whdc/mi	mi/kwhdc	mi/kwhac
UDDS	273.1742	3.6607	3.1393
HFEDS	304.3714	3.2855	2.8175

R1S Quad (20in AT) All-Purpose:

EPA EV Multicycle Calculator (SAE J1634 Oct 2012)

Manufacturer: RIVIAN

Carline: R1S

Model Year 2026

Vehicle R1S 1823 (20in AT)

Test Number

Comments: ALL PURPOSE

Test Date 4/4/2025

D.Good March 8, 2016

Cycle	Energy (Wh)	Distance (mi)	ECdc_cyc	Kuwt	Kwgt	Recharge AC WattHrs
UDDS1	2621.70	7.456	351.60	87.90	6.71	161107.64
UDDS2	2420.15	7.455	324.65	81.16	106.15	
UDDS3	2317.29	7.430	311.87	77.97	101.97	
UDDS4	2339.34	7.448	314.10	78.53	102.70	
HWY1	3774.82	10.260	367.91	183.96		
HWY2	3574.09	10.252	348.62	174.31		
SS1	107649.67	247.990	434.09			
SS2	12590.44	28.195	446.55			
TOTAL	137287.497	326.486				

K-Factors	UDDS1	UDDS2	UDDS3	UDDS4	HWY1	HWY2
Unweighted	0.250	0.250	0.250	0.250	0.500	0.500
Weighted	0.019	0.327	0.327	0.327	NA	NA

Results	Range (mi)	AC Wh/mi	MPGe	kWh/100mi	EPA version kWh/100mi
UDDSu	421.70	382.04			
UDDSw	432.35	372.63	90.4514	37.2631	37.26311
HWY	383.20	420.43	80.1679	42.0430	42.04301

MCT Results	whdc/mi	mi/kwhdc	mi/kwhac
UDDS	317.5367	3.1492	2.6836
HFEDS	358.2685	2.7912	2.3785

R1S Quad (22in) Conserve:

EPA EV Multicycle Calculator (SAE J1634 Oct 2012)

Manufacturer: RIVIAN

Carline: R1S

Model Year 2026

Vehicle R1S 1823 (22")

Test Number

Comments: CONSERVE

Test Date 6/2/2025

D.Good

March 8, 2016

Cycle	Energy (Wh)	Distance (mi)	ECdc_cyc	Kuwt	Kwgt	Recharge AC WattHrs
UDDS1	1936.12	7.466	259.31	64.83	3.66	163404.42
UDDS2	1719.12	7.447	230.84	57.71	75.86	
UDDS3	1715.03	7.465	229.76	57.44	75.51	
UDDS4	1729.07	7.455	231.95	57.99	76.23	
HWY1	2702.56	10.259	263.42	131.71		
HWY2	2634.30	10.239	257.28	128.64		
SS1	110658.96	335.913	329.43			
SS2	14216.86	42.943	331.06			
TOTAL	137312.02	429.187				

K-Factors	UDDS1	UDDS2	UDDS3	UDDS4	HWY1	HWY2
Unweighted	0.250	0.250	0.250	0.250	0.500	0.500
Weighted	0.014	0.329	0.329	0.329	NA	NA

Results	Range (mi)	AC Wh/mi	MPGe	kWh/100mi	EPA version kWh/100mi
UDDSu	577.03	283.18			
UDDSw	593.78	275.19	122.4776	27.5193	27.51933
HWY	527.41	309.82	108.7874	30.9824	30.98244

MCT Results	whdc/mi	mi/kwhdc	mi/kwhac
UDDS	231.2504	4.3243	3.6338
HFEDS	260.3516	3.8410	3.2276

R1S Quad (22in) All Purpose:

EPA EV Multicycle Calculator (SAE J1634 Oct 2012)

Manufacturer: RIVIAN

Carline: R1S

Model Year 2026

Vehicle R1S 1823 (22")

Test Number

Comments: ALL PURPOSE

Test Date 5/23/25

D.Good

March 8, 2016

Cycle	Energy (Wh)	Distance (mi)	ECdc_cyc	Kuwt	Kwgt	Recharge AC WattHrs
UDDS1	2336.90	7.463	313.15	78.29	5.30	164260.37
UDDS2	2153.23	7.455	288.82	72.21	94.64	
UDDS3	2064.94	7.465	276.63	69.16	90.65	
UDDS4	2072.38	7.453	278.07	69.52	91.12	
HWY1	3349.99	10.259	326.55	163.27		
HWY2	3177.94	10.258	309.79	154.90		
SS1	110219.71	277.067	397.81			
SS2	12596.62	30.246	416.47			
TOTAL	137971.71	357.665				

K-Factors	UDDS1	UDDS2	UDDS3	UDDS4	HWY1	HWY2
Unweighted	0.250	0.250	0.250	0.250	0.500	0.500
Weighted	0.017	0.328	0.328	0.328	NA	NA

Results	Range (mi)	AC Wh/mi	MPGe	kWh/100mi	EPA version kWh/100mi
UDDSu	477.13	344.26			
UDDSw	489.75	335.39	100.4937	33.5394	33.53941
HWY	433.64	378.79	88.9798	37.8794	37.87938

MCT Results	whdc/mi	mi/kwhdc	mi/kwhac
UDDS	281.7167	3.5497	2.9816
HFEDS	318.1706	3.1430	2.6400

Certification Summary Information Report

Manufacturer	Rivian Automotive LLC	Manufacturer Code	RIV
Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	05/22/2026 01:43:58 PM
Model Year	2027		

Test Group Information

CSI Type	New	Running Change Reference Number	--
GHG Exempt Status	Not Exempt		

Drive Sources and Fuel(s)

Drive Source #1: Electric Motor

Fuel	Basic Fuel Metering System	Lean Burn Strategy Indicator
Electricity	--	--

Hybrid Indicator	No		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	Yes
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	Yes
Fuel Cell Indicator	No	EPA Vehicle Class	MDPV
Federal Clean Fuel Vehicle	Yes	Federal Clean Fuel Vehicle Standard	ZEV
Federal Clean Fuel Vehicle ILEV	No	California Partial Zero Emissions Vehicle Indicator	--
Durability Group Name	VRIVR0000194	Durability Group Equivalency Factor	1
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	--	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Not Applicable	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	No		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	VRIVT00.0194
Test Group OBD Compliance Level	Full - no deficiencies	Number of Test Group OBD Deficiencies	0
OBD Deficiencies Comments	OBD COMPLIANCE IS NOT APPLICABLE TO ZEV. PARAMETERS ARE PLACEHOLDERS TO ALLOW DATASET SUBMISSION.		
Mfr Test Group Comments	TEST GROUP COVERS MY27 VEHICLE MODEL NAMES: Rivian R1T Quad (22in), Rivian R1S Quad (22in), Rivian R1T Quad (22in UHP), Rivian R1S Quad (22in UHP), Rivian R1T Quad (20in AT), Rivian R1S Quad (20in AT) DURABILITY IS NOT APPLICABLE TO ZEV. PARAMETERS ARE PLACEHOLDERS TO ALLOW DATASET SUBMISSION.		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VRIVT00.0194		Evaporative/Refueling Family		--		
Models Covered by this Certificate							
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Rivian Automotive LLC	1 - Rivian	712 - R1T Quad (22in)	Federal	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	713 - R1T Quad (20in AT)	California + CAA Section 177 states	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	712 - R1T Quad (22in)	California + CAA Section 177 states	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	513 - R1S Quad (20in AT)	California + CAA Section 177 states	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	509 - R1S Quad (22in UHP)	California + CAA Section 177 states	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	709 - R1T Quad (22in UHP)	California + CAA Section 177 states	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	512 - R1S Quad (22in)	Federal	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	512 - R1S Quad (22in)	California + CAA Section 177 states	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	709 - R1T Quad (22in UHP)	Federal	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	713 - R1T Quad (20in AT)	Federal	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	509 - R1S Quad (22in UHP)	Federal	4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	513 - R1S Quad (20in AT)	Federal	4-Wheel Drive	Automatic	1	No
Engine Description							
Hybrid Type	--			Hybrid Description	--		
Engine Type	--			Mfr Engine Description	--		
Engine Block Arrangement	--			Mfr Engine Block Arrangement Description	--		
Camless Valvetrain Indicator	--			Oil Viscosity/Classification			
Number of Cylinders/Rotors	--			Mechanically Variable Compression Ratio Indicator	--		
After Treatment Device(s) (ATD)							
Mfr After Treatment Device (ATD) Comments	--						
Direct Ozone Reduction (DOR) Device	--						
Mfr Emission Control Device Comments	--						

Certification Summary Information Report

Test Group		VRIVT00.0194				Evaporative/Refueling Family			--	
Official Test Numbers										
Test Group Fuel	FTP	US06	SC03	Cold CO	Highway	EPA City Litmus Value	EPA City Litmus Threshold	EPA Highway Litmus Value	EPA Highway Litmus Threshold	CREE Weighting Factor
Electricity	--	--	--	--	--	--	--	--	--	--
SFTP LEV-III Official Test Numbers										
Test Group Fuel	FTP		US06		SC03					
Electricity	--		--		--					
Hybrid Electric Vehicle And Fuel Cell Information										
Rechargeable Energy Storage System	Battery(s)				Rechargeable Energy Storage System, if Other			--		
Battery Type	Lithium Ion				Number of Battery Packs			1		
Total Voltage of Battery Packs	392				Battery Energy Capacity			382		
Battery Specific Energy	190				Battery Charger Type			Both		
Number of Capacitors	--				Capacitor Rating (In Farads)			--		
Mfr Capacitor Comments	--									
Hydraulic System Description	--									
Regenerative Braking Type	Electrical Regen Brake									
Regenerative Braking Source	Both				Driver Controlled Regenerative Braking			Yes		
Mfr Regenerative Braking Description	--									
Drive Motor(s)/Generator(s)	4									
Motor/Generator Type 1	AC Permanent Magnet				Rated Motor/Generator Power			201		
Motor/Generator Type 2	AC Permanent Magnet				Rated Motor/Generator Power			201		
Motor/Generator Type 3	AC Permanent Magnet				Rated Motor/Generator Power			201		
Motor/Generator Type 4	AC Permanent Magnet				Rated Motor/Generator Power			201		
Mfr Fuel Cell Description	--									
Fuel Cell On-Board H2 Storage Capacity (kg)	--				Usable H2 Fill Capacity (kg)			--		
Mfr Hybrid Electric/ Electric Vehicle Comments	All-Purpose Drive Mode and Conserve Drive Mode.									

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--						
Emission Data Vehicle Information									
Vehicle ID / Configuration	R1S1823R20AT / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TRIVT00.0194	Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2026								
Vehicle Model									
Represented Test Vehicle Make	Rivian	Represented Test Vehicle Model	R1S Quad Max (20in AT)						
Leak Family Details									
Leak Family Identifier	--	Leak Family Name	--						
Drive Sources and Fuel System Details									
	<table border="1"> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> <tr> <td>1</td><td>Electric Motor</td><td>Electricity</td></tr> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity		
Drive Source and Fuel#	Drive Source	Fuel							
1	Electric Motor	Electricity							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes						
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	Yes								
Odometer Correction -- Initial	1	Odometer Correction Factor	1						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Miles								
Engine Code	200X2SW182X2	Rated Horsepower	1025						
Displacement (liters)	99.999								
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'	Electric						
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--						
Charge Air Cooler Type	--	Drive Mode While Testing	4-Wheel Drive						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	6960	Equivalent Test Weight (pounds)	7500						
GVWR (lbs)	--	N/V Ratio	999						
Axle Ratio	9.99								
Transmission Type	Automatic	# of Transmission Gears	1						
Transmission Lockup	No	Creep Gear	No						

Certification Summary Information Report

Test Group		VRIVT00.0194			Evaporative/Refueling Family		--	
Dynamometer Coefficients:								
Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)		
City/Highway/Evap	57.29	0.1813	0.02625	-19	0.2279	0.02211	17.6	
Cold CO	63.02	0.1994	0.02888	-19.47	-0.1466	0.02623	N/A	
US06	57.29	0.1813	0.02625	-19	0.2279	0.02211	N/A	
Emission Control Device Comments		Battery Electric Vehicle						
Manufacturer Test Vehicle Comments		R1S Quad Max (20in AT) - Conserve Drive Mode FDU Axle Ratio: 9.0:1 RDU Axle Ratio: 11.7:1 FDU N/V: 92.8 RDU N/V: 121.1						

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090661	Test Procedure	2 - CVS 75 and later (w/o can. load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/01/2025	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	MDPV	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5238	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.03	--
DT-EER (Drive Trace Energy Economy Rating)	-0.33	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.27	--
MFR FE (Manufacturer Fuel Economy)	27.9	120.8064516
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - Conserve Drive Mode, Quad Motor, Max Battery Pack, and 20" All-Terrain Wheels. Cycle 1: 311.20 Wh/mi, Cycle 2: 256.43 Wh/mi, Cycle 3: 297.49 Wh/mi, Cycle 4: 254.49 Wh/mi.

Certification Summary Information Report

Test Group		VRIVT00.0194			Evaporative/Refueling Family					--		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 4 Bin 0	CO	0.0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0.0	--	--	--	0	--	0	0	Pass

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090662	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/01/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5238	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.78	--
DT-EER (Drive Trace Energy Economy Rating)	-0.12	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.78	--
MFR FE (Manufacturer Fuel Economy)	30.13	111.8652506
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - Conserve Drive Mode, Quad Motor, Max Battery Pack, and 20" All-Terrain Wheels. Cycle 1: 301.29 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090663	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	03/31/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5222	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-2.25	--
DT-EER (Drive Trace Energy Economy Rating)	-0.92	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-4.95	--
MFR FE (Manufacturer Fuel Economy)	40.39	83.4488735
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S Conserve Drive Mode, Quad Motor, Max Battery Pack, and 20" All-Terrain Wheels. Cycle 1 (City1): 392.61 Wh/mi, Cycle 2 (HWY): 395.20 Wh/mi, Cycle 3 (City2): 549.59 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090664	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/14/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5799	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.26	--
DT-EER (Drive Trace Energy Economy Rating)	-0.15	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.21	--
MFR FE (Manufacturer Fuel Economy)	38.22	88.1868132
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - Conserve Drive Mode, Quad Motor, Max Battery Pack, and 20" All-Terrain Wheels. Cycle 1: 382.25 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
Test #	TRIV10090660	Test Procedure	77 - Multi-Cycle Test (MCT)																
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity																
Test Date	03/25/2025	Fuel	N/A																
Fuel Batch ID	--	Fuel Calibration Number	--																
Vehicle Class	N/A	DF Type	EPA Assigned																
Verify Test Lab ID	FEV Michigan																		
E10 Evaporative Test Measurement Method	--																		
Test Start Odometer Reading	4718	Odometer Units	M																
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--																
State of Charge Delta	Yes																		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes																
PHEV/EV Charge Depleting Test Information																			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	161.34																
Charge Depleting Range (Calculated miles)	506.51	Charge Depleting Range (Actual miles)	506.51																
Charge Depleting Range Highway (Calculated miles)	454.59	Derived 5-Cycle Coefficient Model Year	--																
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	506.51																
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--																
Charge Depleting Bag/Phase #1																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.412</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.16</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.2</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.39</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.285</td></tr><tr><td>Manufacturer Fuel Economy</td><td>30.82</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.412	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.16	Drive Trace Energy Economy Rating	0.2	Drive Trace Inertia Work Ratio Rating	0.39	Integrated DC KW-HRS	2.285	Manufacturer Fuel Economy	30.82
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.412																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.16																		
Drive Trace Energy Economy Rating	0.2																		
Drive Trace Inertia Work Ratio Rating	0.39																		
Integrated DC KW-HRS	2.285																		
Manufacturer Fuel Economy	30.82																		
Charge Depleting Bag/Phase #2																			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	10.238
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	2.38
		Drive Trace Energy Economy Rating	0.92
		Drive Trace Inertia Work Ratio Rating	2.72
		Integrated DC KW-HRS	3.188
		Manufacturer Fuel Economy	31.14
Charge Depleting Bag/Phase #3			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.433
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	1.87
		Drive Trace Energy Economy Rating	1.87
		Drive Trace Inertia Work Ratio Rating	2.91
		Integrated DC KW-HRS	2.074
		Manufacturer Fuel Economy	27.9
Charge Depleting Bag/Phase #4			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	292.972
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	83.3
		Drive Trace Energy Economy Rating	-1.42
		Drive Trace Inertia Work Ratio Rating	99.99
		Integrated DC KW-HRS	109.685
		Manufacturer Fuel Economy	37.44
Charge Depleting Bag/Phase #5			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.391
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	-0.34
		Drive Trace Energy Economy Rating	-0.46
		Drive Trace Inertia Work Ratio Rating	-1.11
		Integrated DC KW-HRS	1.978
		Manufacturer Fuel Economy	26.76
Charge Depleting Bag/Phase #6			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.256</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.61</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.42</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.93</td></tr><tr><td>Integrated DC KW-HRS</td><td>3.049</td></tr><tr><td>Manufacturer Fuel Economy</td><td>29.73</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.256	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.61	Drive Trace Energy Economy Rating	0.42	Drive Trace Inertia Work Ratio Rating	0.93	Integrated DC KW-HRS	3.049	Manufacturer Fuel Economy	29.73		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.256																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.61																		
Drive Trace Energy Economy Rating	0.42																		
Drive Trace Inertia Work Ratio Rating	0.93																		
Integrated DC KW-HRS	3.049																		
Manufacturer Fuel Economy	29.73																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.42</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.23</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.03</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.74</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.012</td></tr><tr><td>Manufacturer Fuel Economy</td><td>27.11</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.42	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.23	Drive Trace Energy Economy Rating	0.03	Drive Trace Inertia Work Ratio Rating	-0.74	Integrated DC KW-HRS	2.012	Manufacturer Fuel Economy	27.11		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.42																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-0.23																		
Drive Trace Energy Economy Rating	0.03																		
Drive Trace Inertia Work Ratio Rating	-0.74																		
Integrated DC KW-HRS	2.012																		
Manufacturer Fuel Economy	27.11																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>37.459</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>37.89</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.34</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>75.85</td></tr><tr><td>Integrated DC KW-HRS</td><td>14.094</td></tr><tr><td>Manufacturer Fuel Economy</td><td>37.62</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	37.459	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	37.89	Drive Trace Energy Economy Rating	-0.34	Drive Trace Inertia Work Ratio Rating	75.85	Integrated DC KW-HRS	14.094	Manufacturer Fuel Economy	37.62		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	37.459																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	37.89																		
Drive Trace Energy Economy Rating	-0.34																		
Drive Trace Inertia Work Ratio Rating	75.85																		
Integrated DC KW-HRS	14.094																		
Manufacturer Fuel Economy	37.62																		
Manufacturer Test Comments		R1S - Conserve Drive Mode, Quad Motor, Max Battery Pack, and 20" All-Terrain wheels. UDDS1: 308.23 Wh/mi, UDDS2: 278.99 Wh/mi, UDDS3: 267.65 Wh/mi, UDDS4: 271.12 Wh/mi. UDDS1 Energy: 2284.54 Wh HWY1: 311.44 Wh/mi, HWY2: 297.30 Wh/mi MCT Energy: 138364.70 Wh																	

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090665	Test Procedure	86 - Charge Depleting 20 Degree F FTP
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	03/28/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5200	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	161.34
Charge Depleting Range (Calculated miles)	14.8	Charge Depleting Range (Actual miles)	14.8
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	14.8
Number of Charge Depleting Bags/Phases Conducted	4	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		3.584	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		-0.08	
Drive Trace Energy Economy Rating		-0.15	
Drive Trace Inertia Work Ratio Rating		0.72	
Integrated DC KW-HRS		2.04	
Manufacturer Fuel Economy		56.92	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.841</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.64</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.79</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-1.25</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.973</td></tr><tr><td>Manufacturer Fuel Economy</td><td>51.37</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.841	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.64	Drive Trace Energy Economy Rating	-0.79	Drive Trace Inertia Work Ratio Rating	-1.25	Integrated DC KW-HRS	1.973	Manufacturer Fuel Economy	51.37		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.841																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-0.64																		
Drive Trace Energy Economy Rating	-0.79																		
Drive Trace Inertia Work Ratio Rating	-1.25																		
Integrated DC KW-HRS	1.973																		
Manufacturer Fuel Economy	51.37																		
Charge Depleting Bag/Phase #3																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.58</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.27</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.33</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.41</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.682</td></tr><tr><td>Manufacturer Fuel Economy</td><td>46.98</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.58	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.27	Drive Trace Energy Economy Rating	0.33	Drive Trace Inertia Work Ratio Rating	-0.41	Integrated DC KW-HRS	1.682	Manufacturer Fuel Economy	46.98		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.58																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.27																		
Drive Trace Energy Economy Rating	0.33																		
Drive Trace Inertia Work Ratio Rating	-0.41																		
Integrated DC KW-HRS	1.682																		
Manufacturer Fuel Economy	46.98																		
Charge Depleting Bag/Phase #4																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.82</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.23</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.87</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-1.07</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.599</td></tr><tr><td>Manufacturer Fuel Economy</td><td>41.86</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.82	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.23	Drive Trace Energy Economy Rating	-0.87	Drive Trace Inertia Work Ratio Rating	-1.07	Integrated DC KW-HRS	1.599	Manufacturer Fuel Economy	41.86		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.82																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-0.23																		
Drive Trace Energy Economy Rating	-0.87																		
Drive Trace Inertia Work Ratio Rating	-1.07																		
Integrated DC KW-HRS	1.599																		
Manufacturer Fuel Economy	41.86																		
Manufacturer Test Comments		R1S - Conserve Drive Mode, Quad Motor, Max Battery Pack, and 20" All-Terrain Wheels. Cycle 1: 569.16 Wh/mi, Cycle 2: 513.65 Wh/mi, Cycle 3: 469.80 Wh/mi, Cycle 4: 418.59 Wh/mi.																	

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--						
Emission Data Vehicle Information									
Vehicle ID / Configuration	R1S1823R20AT / 1	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TRIVT00.0194	Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2026								
Vehicle Model									
Represented Test Vehicle Make	Rivian	Represented Test Vehicle Model	R1S Quad Max (20in AT)						
Leak Family Details									
Leak Family Identifier	--	Leak Family Name	--						
Drive Sources and Fuel System Details									
	<table border="1"> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> <tr> <td>1</td><td>Electric Motor</td><td>Electricity</td></tr> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity		
Drive Source and Fuel#	Drive Source	Fuel							
1	Electric Motor	Electricity							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes						
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	Yes								
Odometer Correction -- Initial	1	Odometer Correction Factor	1						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Miles								
Engine Code	200X2SW182X2	Rated Horsepower	1025						
Displacement (liters)	99.999								
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'	Electric						
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--						
Charge Air Cooler Type	--	Drive Mode While Testing	4-Wheel Drive						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	6960	Equivalent Test Weight (pounds)	7500						
GVWR (lbs)	--	N/V Ratio	999						
Axle Ratio	9.99								
Transmission Type	Automatic	# of Transmission Gears	1						
Transmission Lockup	No	Creep Gear	No						

Certification Summary Information Report

Test Group		VRIVT00.0194			Evaporative/Refueling Family		--	
Dynamometer Coefficients:								
Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)		
City/Highway/Evap	59.64	0.1471	0.02625	-14.05	0.189	0.02182	17.7	
Cold CO	65.6	0.1618	0.02888	-14.15	-0.1811	0.02635	N/A	
US06	59.64	0.1471	0.02625	-14.05	0.189	0.02182	N/A	
Emission Control Device Comments		Battery Electric Vehicle						
Manufacturer Test Vehicle Comments		R1S Quad Max (20in AT) - All Purpose Drive Mode FDU Axle Ratio: 9.0:1 RDU Axle Ratio: 11.7:1 FDU N/V: 92.8 RDU N/V: 121.1						

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090667	Test Procedure	2 - CVS 75 and later (w/o can. load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/09/2025	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	MDPV	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5737	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.07	--
DT-EER (Drive Trace Energy Economy Rating)	-0.98	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.77	--
MFR FE (Manufacturer Fuel Economy)	33.26	101.3379435
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 20" All-Terrain Wheels. Cycle 1: 374.95 Wh/mi, Cycle 2: 308.21 Wh/mi, Cycle 3: 351.55 Wh/mi, Cycle 4: 299.84 Wh/mi.

Certification Summary Information Report

Test Group		VRIVT00.0194			Evaporative/Refueling Family					--		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 4 Bin 0	CO	0.0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0.0	--	--	--	0	--	0	0	Pass

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090673	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/09/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5737	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.49	--
DT-EER (Drive Trace Energy Economy Rating)	-1.1	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.84	--
MFR FE (Manufacturer Fuel Economy)	35.81	94.1217537
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 20" All-Terrain Wheels. Cycle 1: 358.11 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090672	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/11/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5784	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-3.36	--
DT-EER (Drive Trace Energy Economy Rating)	-2.65	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-6.59	--
MFR FE (Manufacturer Fuel Economy)	45.68	73.7850263
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 20" All-Terrain Wheels. Cycle 1 (City1): 438.92 Wh/mi, Cycle 2 (HWY): 455.70 Wh/mi, Cycle 3 (City2): 517.63 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090670	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/10/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5770	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.73	--
DT-EER (Drive Trace Energy Economy Rating)	0.93	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.52	--
MFR FE (Manufacturer Fuel Economy)	41.97	80.3073624
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 20" All-Terrain Wheels. Cycle 1: 419.69 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
Test #	TRIV10090666	Test Procedure	77 - Multi-Cycle Test (MCT)																
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity																
Test Date	04/04/2025	Fuel	N/A																
Fuel Batch ID	--	Fuel Calibration Number	--																
Vehicle Class	N/A	DF Type	EPA Assigned																
Verify Test Lab ID	FEV Michigan																		
E10 Evaporative Test Measurement Method	--																		
Test Start Odometer Reading	5294	Odometer Units	M																
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--																
State of Charge Delta	Yes																		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes																
PHEV/EV Charge Depleting Test Information																			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	161.11																
Charge Depleting Range (Calculated miles)	432.35	Charge Depleting Range (Actual miles)	432.35																
Charge Depleting Range Highway (Calculated miles)	383.2	Derived 5-Cycle Coefficient Model Year	--																
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	432.35																
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--																
Charge Depleting Bag/Phase #1																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.456</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.05</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.76</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.06</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.622</td></tr><tr><td>Manufacturer Fuel Economy</td><td>35.16</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.456	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.05	Drive Trace Energy Economy Rating	-0.76	Drive Trace Inertia Work Ratio Rating	0.06	Integrated DC KW-HRS	2.622	Manufacturer Fuel Economy	35.16
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.456																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-0.05																		
Drive Trace Energy Economy Rating	-0.76																		
Drive Trace Inertia Work Ratio Rating	0.06																		
Integrated DC KW-HRS	2.622																		
Manufacturer Fuel Economy	35.16																		
Charge Depleting Bag/Phase #2																			

Charge Depleting Bag/Phase #3

Charge Depleting Bag/Phase #4

Charge Depleting Bag/Phase #5

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.252</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.87</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.36</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.79</td></tr><tr><td>Integrated DC KW-HRS</td><td>3.574</td></tr><tr><td>Manufacturer Fuel Economy</td><td>34.86</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.252	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.87	Drive Trace Energy Economy Rating	0.36	Drive Trace Inertia Work Ratio Rating	1.79	Integrated DC KW-HRS	3.574	Manufacturer Fuel Economy	34.86		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.252																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.87																		
Drive Trace Energy Economy Rating	0.36																		
Drive Trace Inertia Work Ratio Rating	1.79																		
Integrated DC KW-HRS	3.574																		
Manufacturer Fuel Economy	34.86																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.448</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.01</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.86</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.34</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.339</td></tr><tr><td>Manufacturer Fuel Economy</td><td>31.41</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.448	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.01	Drive Trace Energy Economy Rating	0.86	Drive Trace Inertia Work Ratio Rating	1.34	Integrated DC KW-HRS	2.339	Manufacturer Fuel Economy	31.41		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.448																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.01																		
Drive Trace Energy Economy Rating	0.86																		
Drive Trace Inertia Work Ratio Rating	1.34																		
Integrated DC KW-HRS	2.339																		
Manufacturer Fuel Economy	31.41																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>28.195</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>99.99</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.89</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>41.93</td></tr><tr><td>Integrated DC KW-HRS</td><td>12.59</td></tr><tr><td>Manufacturer Fuel Economy</td><td>44.66</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	28.195	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	99.99	Drive Trace Energy Economy Rating	-0.89	Drive Trace Inertia Work Ratio Rating	41.93	Integrated DC KW-HRS	12.59	Manufacturer Fuel Economy	44.66		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	28.195																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	99.99																		
Drive Trace Energy Economy Rating	-0.89																		
Drive Trace Inertia Work Ratio Rating	41.93																		
Integrated DC KW-HRS	12.59																		
Manufacturer Fuel Economy	44.66																		
Manufacturer Test Comments		R1S - All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 20" All-Terrain wheels. UDDS1: 351.60 Wh/mi, UDDS2: 324.65 Wh/mi, UDDS3: 311.87 Wh/mi, UDDS4: 314.10 Wh/mi. UDDS1 Energy: 2621.70 Wh HWY1: 367.91 Wh/mi, HWY2: 348.62 Wh/mi MCT Energy: 137287.50 Wh																	

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090671	Test Procedure	86 - Charge Depleting 20 Degree F FTP
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/08/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5827	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	161.11
Charge Depleting Range (Calculated miles)	14.9	Charge Depleting Range (Actual miles)	14.9
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	14.9
Number of Charge Depleting Bags/Phases Conducted	4	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		3.591	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		-0.52	
Drive Trace Energy Economy Rating		-0.77	
Drive Trace Inertia Work Ratio Rating		-1.12	
Integrated DC KW-HRS		2.44	
Manufacturer Fuel Economy		67.95	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.858</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.02</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.74</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.63</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.379</td></tr><tr><td>Manufacturer Fuel Economy</td><td>61.65</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.858	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.02	Drive Trace Energy Economy Rating	-0.74	Drive Trace Inertia Work Ratio Rating	-0.63	Integrated DC KW-HRS	2.379	Manufacturer Fuel Economy	61.65		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.858																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-0.02																		
Drive Trace Energy Economy Rating	-0.74																		
Drive Trace Inertia Work Ratio Rating	-0.63																		
Integrated DC KW-HRS	2.379																		
Manufacturer Fuel Economy	61.65																		
Charge Depleting Bag/Phase #3																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.592</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.19</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.31</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.13</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.016</td></tr><tr><td>Manufacturer Fuel Economy</td><td>56.13</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.592	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.19	Drive Trace Energy Economy Rating	-0.31	Drive Trace Inertia Work Ratio Rating	-0.13	Integrated DC KW-HRS	2.016	Manufacturer Fuel Economy	56.13		
Test Result/Emission Name	Unrounded Test Result																		
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Drive Trace Inertia Work Ratio Rating	-0.13																		
Integrated DC KW-HRS	2.016																		
Manufacturer Fuel Economy	56.13																		
Charge Depleting Bag/Phase #4																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.862</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.7</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.83</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-1.22</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.888</td></tr><tr><td>Manufacturer Fuel Economy</td><td>48.89</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.862	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.7	Drive Trace Energy Economy Rating	-0.83	Drive Trace Inertia Work Ratio Rating	-1.22	Integrated DC KW-HRS	1.888	Manufacturer Fuel Economy	48.89		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.862																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-0.7																		
Drive Trace Energy Economy Rating	-0.83																		
Drive Trace Inertia Work Ratio Rating	-1.22																		
Integrated DC KW-HRS	1.888																		
Manufacturer Fuel Economy	48.89																		
Manufacturer Test Comments		R1S - All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 20" All-Terrain Wheels. Cycle 1: 679.53 Wh/mi, Cycle 2: 616.53 Wh/mi, Cycle 3: 561.32 Wh/mi, Cycle 4: 488.90 Wh/mi.																	

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--						
Emission Data Vehicle Information									
Vehicle ID / Configuration	R1S1823R22 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TRIVT00.0194	Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2026								
Vehicle Model									
Represented Test Vehicle Make	Rivian	Represented Test Vehicle Model	R1S Quad Max (22in)						
Leak Family Details									
Leak Family Identifier	--	Leak Family Name	--						
Drive Sources and Fuel System Details									
	<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> </thead> <tbody> <tr> <td>1</td><td>Electric Motor</td><td>Electricity</td></tr> </tbody> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity		
Drive Source and Fuel#	Drive Source	Fuel							
1	Electric Motor	Electricity							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes						
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	Yes								
Odometer Correction -- Initial	1	Odometer Correction Factor	1						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Miles								
Engine Code	200X2SW182X2	Rated Horsepower	1025						
Displacement (liters)	99.999								
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'	Electric						
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--						
Charge Air Cooler Type	--	Drive Mode While Testing	4-Wheel Drive						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	6826	Equivalent Test Weight (pounds)	7000						
GVWR (lbs)	--	N/V Ratio	999						
Axle Ratio	9.99								
Transmission Type	Automatic	# of Transmission Gears	1						
Transmission Lockup	No	Creep Gear	No						

Certification Summary Information Report

Test Group		VRIVT00.0194			Evaporative/Refueling Family		--	
Dynamometer Coefficients:								
Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)		
City/Highway/Evap	41.29	0.1197	0.02519	-14.28	0.2798	0.02105	14.7	
Cold CO	45.42	0.1317	0.02771	-10.01	-0.2338	0.02656	N/A	
US06	41.29	0.1197	0.02519	-14.28	0.2798	0.02105	N/A	
Emission Control Device Comments		Battery Electric Vehicle						
Manufacturer Test Vehicle Comments		R1S Quad Max (22in) - Conserve Drive Mode FDU Axle Ratio: 9.0:1 RDU Axle Ratio: 11.7:1 FDU N/V: 96.5 RDU N/V: 125.9						

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10091375	Test Procedure	2 - CVS 75 and later (w/o can. load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	05/28/2025	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	MDPV	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	8891	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.08	--
DT-EER (Drive Trace Energy Economy Rating)	-0.13	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.25	--
MFR FE (Manufacturer Fuel Economy)	46.7	72.1734475
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 22" Sport Bright. Cycle 1: 467.01 Wh/mi, Cycle 2: 410.18 Wh/mi, Cycle 3: 382.67 Wh/mi, Cycle 4: 343.72 Wh/mi.

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Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10091376	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	05/28/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	8891	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.19	--
DT-EER (Drive Trace Energy Economy Rating)	0.05	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.64	--
MFR FE (Manufacturer Fuel Economy)	25.74	130.9440559
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - Conserve Drive Mode, Quad Motor, Max Battery Pack, and 22" Sport Bright. Cycle 1: 257.38 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10091377	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	05/27/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	8876	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.36	--
DT-EER (Drive Trace Energy Economy Rating)	-0.64	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.61	--
MFR FE (Manufacturer Fuel Economy)	35.78	94.2006708
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S Conserve Drive Mode, Quad Motor, Max Battery Pack, and 22" Sport Bright. Cycle 1 (City1): 348.74 Wh/mi, Cycle 2 (HWY): 350.43 Wh/mi, Cycle 3 (City2): 475.92 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10091378	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	05/27/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	8869	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.47	--
DT-EER (Drive Trace Energy Economy Rating)	-0.63	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.51	--
MFR FE (Manufacturer Fuel Economy)	35.55	94.8101266
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - Conserve Drive Mode, Quad Motor, Max Battery Pack, and 22" Sport Bright. Cycle 1: 355.53 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
Test #	TRIV10091373	Test Procedure	77 - Multi-Cycle Test (MCT)																
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity																
Test Date	06/02/2025	Fuel	N/A																
Fuel Batch ID	--	Fuel Calibration Number	--																
Vehicle Class	N/A	DF Type	EPA Assigned																
Verify Test Lab ID	FEV Michigan																		
E10 Evaporative Test Measurement Method	--																		
Test Start Odometer Reading	9006	Odometer Units	M																
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--																
State of Charge Delta	Yes																		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes																
PHEV/EV Charge Depleting Test Information																			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	163.4																
Charge Depleting Range (Calculated miles)	593.781	Charge Depleting Range (Actual miles)	593.781																
Charge Depleting Range Highway (Calculated miles)	527.41	Derived 5-Cycle Coefficient Model Year	--																
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	593.781																
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--																
Charge Depleting Bag/Phase #1																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.466</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.15</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.35</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.18</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.9361</td></tr><tr><td>Manufacturer Fuel Economy</td><td>25.93</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.466	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.15	Drive Trace Energy Economy Rating	-0.35	Drive Trace Inertia Work Ratio Rating	0.18	Integrated DC KW-HRS	1.9361	Manufacturer Fuel Economy	25.93
Test Result/Emission Name	Unrounded Test Result																		
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Carbon-Related Exhaust Emissions	0																		
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Drive Trace Energy Economy Rating	-0.35																		
Drive Trace Inertia Work Ratio Rating	0.18																		
Integrated DC KW-HRS	1.9361																		
Manufacturer Fuel Economy	25.93																		
Charge Depleting Bag/Phase #2																			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	10.259
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	-0.18
		Drive Trace Energy Economy Rating	-0.08
		Drive Trace Inertia Work Ratio Rating	-0.24
		Integrated DC KW-HRS	2.7026
		Manufacturer Fuel Economy	26.34
Charge Depleting Bag/Phase #3			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.447
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	0.76
		Drive Trace Energy Economy Rating	0.19
		Drive Trace Inertia Work Ratio Rating	1.2
		Integrated DC KW-HRS	1.7191
		Manufacturer Fuel Economy	23.08
Charge Depleting Bag/Phase #4			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	335.913
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	14.61
		Drive Trace Energy Economy Rating	1
		Drive Trace Inertia Work Ratio Rating	29.15
		Integrated DC KW-HRS	110.659
		Manufacturer Fuel Economy	32.94
Charge Depleting Bag/Phase #5			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.465
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	0.98
		Drive Trace Energy Economy Rating	0.91
		Drive Trace Inertia Work Ratio Rating	1.24
		Integrated DC KW-HRS	1.715
		Manufacturer Fuel Economy	22.98
Charge Depleting Bag/Phase #6			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.239</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.98</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.58</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.6</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.6343</td></tr><tr><td>Manufacturer Fuel Economy</td><td>25.73</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.239	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.98	Drive Trace Energy Economy Rating	0.58	Drive Trace Inertia Work Ratio Rating	2.6	Integrated DC KW-HRS	2.6343	Manufacturer Fuel Economy	25.73		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.239																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.98																		
Drive Trace Energy Economy Rating	0.58																		
Drive Trace Inertia Work Ratio Rating	2.6																		
Integrated DC KW-HRS	2.6343																		
Manufacturer Fuel Economy	25.73																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.455</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.52</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.77</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.64</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.7291</td></tr><tr><td>Manufacturer Fuel Economy</td><td>23.19</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.455	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.52	Drive Trace Energy Economy Rating	0.77	Drive Trace Inertia Work Ratio Rating	2.64	Integrated DC KW-HRS	1.7291	Manufacturer Fuel Economy	23.19		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.455																		
Carbon-Related Exhaust Emissions	0																		
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Drive Trace Energy Economy Rating	0.77																		
Drive Trace Inertia Work Ratio Rating	2.64																		
Integrated DC KW-HRS	1.7291																		
Manufacturer Fuel Economy	23.19																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>42.943</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>99.9</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.81</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>99.9</td></tr><tr><td>Integrated DC KW-HRS</td><td>14.2169</td></tr><tr><td>Manufacturer Fuel Economy</td><td>33.11</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	42.943	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	99.9	Drive Trace Energy Economy Rating	-0.81	Drive Trace Inertia Work Ratio Rating	99.9	Integrated DC KW-HRS	14.2169	Manufacturer Fuel Economy	33.11		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	42.943																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	99.9																		
Drive Trace Energy Economy Rating	-0.81																		
Drive Trace Inertia Work Ratio Rating	99.9																		
Integrated DC KW-HRS	14.2169																		
Manufacturer Fuel Economy	33.11																		
Manufacturer Test Comments		R1S - Conserve Drive Mode, Quad Motor, Max Battery Pack, and 22" Sport Bright. UDDS1: 259.31 Wh/mi, UDDS2: 230.84 Wh/mi, UDDS3: 229.76 Wh/mi, UDDS4: 231.95 Wh/mi. UDDS1 Energy: 1936.12 Wh HWY1: 263.42 Wh/mi, HWY2: 257.28 Wh/mi MCT Energy: 137312.02 Wh																	

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10091379	Test Procedure	86 - Charge Depleting 20 Degree F FTP
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	06/09/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	9501	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	163.4
Charge Depleting Range (Calculated miles)	14.9	Charge Depleting Range (Actual miles)	14.9
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	14.9
Number of Charge Depleting Bags/Phases Conducted	4	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		3.59	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		-0.21	
Drive Trace Energy Economy Rating		-0.64	
Drive Trace Inertia Work Ratio Rating		-0.59	
Integrated DC KW-HRS		1.6764	
Manufacturer Fuel Economy		46.7	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.862</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.35</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.05</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.54</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.5843</td></tr><tr><td>Manufacturer Fuel Economy</td><td>41.02</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.862	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.35	Drive Trace Energy Economy Rating	0.05	Drive Trace Inertia Work Ratio Rating	0.54	Integrated DC KW-HRS	1.5843	Manufacturer Fuel Economy	41.02
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.862																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.35																		
Drive Trace Energy Economy Rating	0.05																		
Drive Trace Inertia Work Ratio Rating	0.54																		
Integrated DC KW-HRS	1.5843																		
Manufacturer Fuel Economy	41.02																		
Charge Depleting Bag/Phase #3																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.589</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.06</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.6</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.09</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.3734</td></tr><tr><td>Manufacturer Fuel Economy</td><td>38.27</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.589	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.06	Drive Trace Energy Economy Rating	-0.6	Drive Trace Inertia Work Ratio Rating	0.09	Integrated DC KW-HRS	1.3734	Manufacturer Fuel Economy	38.27
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.589																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.06																		
Drive Trace Energy Economy Rating	-0.6																		
Drive Trace Inertia Work Ratio Rating	0.09																		
Integrated DC KW-HRS	1.3734																		
Manufacturer Fuel Economy	38.27																		
Charge Depleting Bag/Phase #4																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.868</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.1</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.31</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.03</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.3295</td></tr><tr><td>Manufacturer Fuel Economy</td><td>34.37</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.868	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.1	Drive Trace Energy Economy Rating	-0.31	Drive Trace Inertia Work Ratio Rating	-0.03	Integrated DC KW-HRS	1.3295	Manufacturer Fuel Economy	34.37
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.868																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-0.1																		
Drive Trace Energy Economy Rating	-0.31																		
Drive Trace Inertia Work Ratio Rating	-0.03																		
Integrated DC KW-HRS	1.3295																		
Manufacturer Fuel Economy	34.37																		
Manufacturer Test Comments		R1S - Conserve Drive Mode, Quad Motor, Max Battery Pack, and 22" Sport Bright. Cycle 1: 467.01 Wh/mi, Cycle 2: 410.18 Wh/mi, Cycle 3: 382.67 Wh/mi, Cycle 4: 343.72 Wh/mi.																	

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--						
Emission Data Vehicle Information									
Vehicle ID / Configuration	R1S1823R22 / 1	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TRIVT00.0194	Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2026								
Vehicle Model									
Represented Test Vehicle Make	Rivian	Represented Test Vehicle Model	R1S Quad Max (22in)						
Leak Family Details									
Leak Family Identifier	--	Leak Family Name	--						
Drive Sources and Fuel System Details									
	<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> </thead> <tbody> <tr> <td>1</td><td>Electric Motor</td><td>Electricity</td></tr> </tbody> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity		
Drive Source and Fuel#	Drive Source	Fuel							
1	Electric Motor	Electricity							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes						
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	Yes								
Odometer Correction -- Initial	1	Odometer Correction Factor	1						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Miles								
Engine Code	200X2SW182X2	Rated Horsepower	1025						
Displacement (liters)	99.999								
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'	Electric						
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--						
Charge Air Cooler Type	--	Drive Mode While Testing	4-Wheel Drive						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	6826	Equivalent Test Weight (pounds)	7000						
GVWR (lbs)	--	N/V Ratio	999						
Axle Ratio	9.99								
Transmission Type	Automatic	# of Transmission Gears	1						
Transmission Lockup	No	Creep Gear	No						

Certification Summary Information Report

Test Group		VRIVT00.0194			Evaporative/Refueling Family		--	
Dynamometer Coefficients:								
Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)		
City/Highway/Evap	41.48	0.0633	0.02714	-11.36	0.1834	0.02318	15	
Cold CO	45.63	0.0696	0.02985	-12.63	-0.289	0.02846	N/A	
US06	41.48	0.0633	0.02714	-11.36	0.1834	0.02318	N/A	
Emission Control Device Comments		Battery Electric Vehicle						
Manufacturer Test Vehicle Comments		R1S Quad Max (22in) - All-Purpose Drive Mode FDU Axle Ratio: 9.0:1 RDU Axle Ratio: 11.7:1 FDU N/V: 96.5 RDU N/V: 125.9						

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10091380	Test Procedure	2 - CVS 75 and later (w/o can. load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	05/29/2025	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	MDPV	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	8933	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.15	--
DT-EER (Drive Trace Energy Economy Rating)	-0.5	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.44	--
MFR FE (Manufacturer Fuel Economy)	28.47	118.3877766
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 22" Sport Bright. Cycle 1: 318.18 Wh/mi, Cycle 2: 260.76 Wh/mi, Cycle 3: 304.61 Wh/mi, Cycle 4: 259.04 Wh/mi.

Certification Summary Information Report

Test Group		VRIVT00.0194			Evaporative/Refueling Family				--			
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 4 Bin 0	CO	0.0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0.0	--	--	--	0	--	0	0	Pass

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10091381	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	05/29/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	8933	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.1	--
DT-EER (Drive Trace Energy Economy Rating)	-0.21	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.2	--
MFR FE (Manufacturer Fuel Economy)	31.8	105.990566
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 22" Sport Bright. Cycle 1: 317.96 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10091383	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	05/28/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	8917	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.98	--
DT-EER (Drive Trace Energy Economy Rating)	-0.93	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.8	--
MFR FE (Manufacturer Fuel Economy)	41.47	81.2756209
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 22" Sport Bright. Cycle 1 (City1): 394.34 Wh/mi, Cycle 2 (HWY): 417.15 Wh/mi, Cycle 3 (City2): 435.73 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10091382	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	05/29/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	8958	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.47	--
DT-EER (Drive Trace Energy Economy Rating)	0.11	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.27	--
MFR FE (Manufacturer Fuel Economy)	38.99	86.4452424
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 22" Sport Bright. Cycle 1: 389.87 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
Test #	TRIV10091374	Test Procedure	77 - Multi-Cycle Test (MCT)																
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity																
Test Date	05/23/2025	Fuel	N/A																
Fuel Batch ID	--	Fuel Calibration Number	--																
Vehicle Class	N/A	DF Type	EPA Assigned																
Verify Test Lab ID	FEV Michigan																		
E10 Evaporative Test Measurement Method	--																		
Test Start Odometer Reading	8439	Odometer Units	M																
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--																
State of Charge Delta	Yes																		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes																
PHEV/EV Charge Depleting Test Information																			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	164.26																
Charge Depleting Range (Calculated miles)	489.753	Charge Depleting Range (Actual miles)	489.753																
Charge Depleting Range Highway (Calculated miles)	433.641	Derived 5-Cycle Coefficient Model Year	--																
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	489.753																
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--																
Charge Depleting Bag/Phase #1																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.463</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.02</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.46</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.12</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.337</td></tr><tr><td>Manufacturer Fuel Economy</td><td>31.31</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.463	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.02	Drive Trace Energy Economy Rating	-0.46	Drive Trace Inertia Work Ratio Rating	-0.12	Integrated DC KW-HRS	2.337	Manufacturer Fuel Economy	31.31
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.463																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-0.02																		
Drive Trace Energy Economy Rating	-0.46																		
Drive Trace Inertia Work Ratio Rating	-0.12																		
Integrated DC KW-HRS	2.337																		
Manufacturer Fuel Economy	31.31																		
Charge Depleting Bag/Phase #2																			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	10.259
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	0.36
		Drive Trace Energy Economy Rating	-0.36
		Drive Trace Inertia Work Ratio Rating	0.52
		Integrated DC KW-HRS	3.35
		Manufacturer Fuel Economy	32.65
Charge Depleting Bag/Phase #3			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.455
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	0.41
		Drive Trace Energy Economy Rating	-0.37
		Drive Trace Inertia Work Ratio Rating	0.65
		Integrated DC KW-HRS	2.153
		Manufacturer Fuel Economy	28.88
Charge Depleting Bag/Phase #4			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	277.067
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	4.19
		Drive Trace Energy Economy Rating	-0.49
		Drive Trace Inertia Work Ratio Rating	8.42
		Integrated DC KW-HRS	110.22
		Manufacturer Fuel Economy	39.78
Charge Depleting Bag/Phase #5			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.465
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	1.1
		Drive Trace Energy Economy Rating	0.25
		Drive Trace Inertia Work Ratio Rating	1.71
		Integrated DC KW-HRS	2.065
		Manufacturer Fuel Economy	27.66
Charge Depleting Bag/Phase #6			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.258</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.05</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.08</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.01</td></tr><tr><td>Integrated DC KW-HRS</td><td>3.178</td></tr><tr><td>Manufacturer Fuel Economy</td><td>30.98</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.258	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.05	Drive Trace Energy Economy Rating	-0.08	Drive Trace Inertia Work Ratio Rating	-0.01	Integrated DC KW-HRS	3.178	Manufacturer Fuel Economy	30.98
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.258																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.05																		
Drive Trace Energy Economy Rating	-0.08																		
Drive Trace Inertia Work Ratio Rating	-0.01																		
Integrated DC KW-HRS	3.178																		
Manufacturer Fuel Economy	30.98																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.453</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.76</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>1.25</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.67</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.072</td></tr><tr><td>Manufacturer Fuel Economy</td><td>27.81</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.453	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.76	Drive Trace Energy Economy Rating	1.25	Drive Trace Inertia Work Ratio Rating	2.67	Integrated DC KW-HRS	2.072	Manufacturer Fuel Economy	27.81
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.453																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.76																		
Drive Trace Energy Economy Rating	1.25																		
Drive Trace Inertia Work Ratio Rating	2.67																		
Integrated DC KW-HRS	2.072																		
Manufacturer Fuel Economy	27.81																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>30.246</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>99.9</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.51</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>5.99</td></tr><tr><td>Integrated DC KW-HRS</td><td>12.597</td></tr><tr><td>Manufacturer Fuel Economy</td><td>41.65</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	30.246	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	99.9	Drive Trace Energy Economy Rating	-0.51	Drive Trace Inertia Work Ratio Rating	5.99	Integrated DC KW-HRS	12.597	Manufacturer Fuel Economy	41.65
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	30.246																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	99.9																		
Drive Trace Energy Economy Rating	-0.51																		
Drive Trace Inertia Work Ratio Rating	5.99																		
Integrated DC KW-HRS	12.597																		
Manufacturer Fuel Economy	41.65																		
Manufacturer Test Comments																			
R1S - All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 22" Sport Bright. UDDS1: 313.15 Wh/mi, UDDS2: 288.82 Wh/mi, UDDS3: 276.63 Wh/mi, UDDS4: 278.07 Wh/mi. UDDS1 Energy: 2336.90 Wh HWY1: 326.55 Wh/mi, HWY2: 309.79 Wh/mi MCT Energy: 137971.71 Wh																			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10091384	Test Procedure	86 - Charge Depleting 20 Degree F FTP
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	06/11/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	9517	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	164.26
Charge Depleting Range (Calculated miles)	14.9	Charge Depleting Range (Actual miles)	14.9
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	14.9
Number of Charge Depleting Bags/Phases Conducted	4	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		3.595	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		1.65	
Drive Trace Energy Economy Rating		0.32	
Drive Trace Inertia Work Ratio Rating		2.06	
Integrated DC KW-HRS		1.8588	
Manufacturer Fuel Economy		51.7	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.848</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.77</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.32</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.99</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.6774</td></tr><tr><td>Manufacturer Fuel Economy</td><td>43.59</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.848	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.77	Drive Trace Energy Economy Rating	0.32	Drive Trace Inertia Work Ratio Rating	0.99	Integrated DC KW-HRS	1.6774	Manufacturer Fuel Economy	43.59		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.848																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.77																		
Drive Trace Energy Economy Rating	0.32																		
Drive Trace Inertia Work Ratio Rating	0.99																		
Integrated DC KW-HRS	1.6774																		
Manufacturer Fuel Economy	43.59																		
Charge Depleting Bag/Phase #3																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.59</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.31</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.56</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.24</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.5395</td></tr><tr><td>Manufacturer Fuel Economy</td><td>42.88</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.59	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.31	Drive Trace Energy Economy Rating	0.56	Drive Trace Inertia Work Ratio Rating	2.24	Integrated DC KW-HRS	1.5395	Manufacturer Fuel Economy	42.88		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.59																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.31																		
Drive Trace Energy Economy Rating	0.56																		
Drive Trace Inertia Work Ratio Rating	2.24																		
Integrated DC KW-HRS	1.5395																		
Manufacturer Fuel Economy	42.88																		
Charge Depleting Bag/Phase #4																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.862</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.08</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.83</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.72</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.5031</td></tr><tr><td>Manufacturer Fuel Economy</td><td>38.92</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.862	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.08	Drive Trace Energy Economy Rating	0.83	Drive Trace Inertia Work Ratio Rating	1.72	Integrated DC KW-HRS	1.5031	Manufacturer Fuel Economy	38.92		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.862																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.08																		
Drive Trace Energy Economy Rating	0.83																		
Drive Trace Inertia Work Ratio Rating	1.72																		
Integrated DC KW-HRS	1.5031																		
Manufacturer Fuel Economy	38.92																		
Manufacturer Test Comments		R1S - All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 22" Sport Bright. Cycle 1: 517.02 Wh/mi, Cycle 2: 435.90 Wh/mi, Cycle 3: 428.79 Wh/mi, Cycle 4: 389.23 Wh/mi.																	

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--						
Emission Data Vehicle Information									
Vehicle ID / Configuration	R1S1823R22UHP / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TRIVT00.0194	Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2026								
Vehicle Model									
Represented Test Vehicle Make	Rivian	Represented Test Vehicle Model	R1S Quad Max (22in UHP)						
Leak Family Details									
Leak Family Identifier	--	Leak Family Name	--						
Drive Sources and Fuel System Details									
	<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> </thead> <tbody> <tr> <td>1</td><td>Electric Motor</td><td>Electricity</td></tr> </tbody> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity		
Drive Source and Fuel#	Drive Source	Fuel							
1	Electric Motor	Electricity							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes						
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	Yes								
Odometer Correction -- Initial	1	Odometer Correction Factor	1						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Miles								
Engine Code	200X2SW182X2	Rated Horsepower	1025						
Displacement (liters)	99.999								
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'	Electric						
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--						
Charge Air Cooler Type	--	Drive Mode While Testing	4-Wheel Drive						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	6808	Equivalent Test Weight (pounds)	7000						
GVWR (lbs)	--	N/V Ratio	999						
Axle Ratio	9.99								
Transmission Type	Automatic	# of Transmission Gears	1						
Transmission Lockup	No	Creep Gear	No						

Certification Summary Information Report

Test Group		VRIVT00.0194			Evaporative/Refueling Family		--	
Dynamometer Coefficients:								
Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)		
City/Highway/Evap	56.24	-0.0457	0.02796	-4.28	-0.0231	0.02443	16.5	
Cold CO	61.86	-0.0503	0.03076	-2.88	-0.4921	0.02985	N/A	
US06	56.24	-0.0457	0.02796	-4.28	-0.0231	0.02443	N/A	
Emission Control Device Comments		Battery Electric Vehicle						
Manufacturer Test Vehicle Comments		R1S Quad Max (22in UHP) - Conserve Drive Mode FDU Axle Ratio: 9.0:1 RDU Axle Ratio: 11.7:1 FDU N/V: 96.5 RDU N/V: 125.9						

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090220	Test Procedure	2 - CVS 75 and later (w/o can. load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	02/24/2025	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	MDPV	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4058	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.86	--
DT-EER (Drive Trace Energy Economy Rating)	1.32	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.82	--
MFR FE (Manufacturer Fuel Economy)	27.19	123.9610151
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - Conserve Drive Mode, Quad Motor, Max Battery Pack, and 22" UHP Wheels. Cycle 1: 298.73 Wh/mi, Cycle 2: 253.59 Wh/mi, Cycle 3: 288.29 Wh/mi, Cycle 4: 250.08 Wh/mi.

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Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090224	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	02/24/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4058	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.29	--
DT-EER (Drive Trace Energy Economy Rating)	-0.6	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.29	--
MFR FE (Manufacturer Fuel Economy)	29.15	115.626072
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - Conserve Drive Mode, Quad Motor, Max Battery Pack, and 22" UHP Wheels. Cycle 1: 291.55 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090228	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	02/24/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4042	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.45	--
DT-EER (Drive Trace Energy Economy Rating)	-0.95	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-3.07	--
MFR FE (Manufacturer Fuel Economy)	39.08	86.2461617
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S Conserve Drive Mode, Quad Motor, Max Battery Pack, and 22" UHP Wheels. Cycle 1 (City1): 374.92 Wh/mi, Cycle 2 (HWY): 386.40 Wh/mi, Cycle 3 (City2): 488.31 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090234	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	03/15/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4661	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.45	--
DT-EER (Drive Trace Energy Economy Rating)	0.68	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.82	--
MFR FE (Manufacturer Fuel Economy)	37.13	90.7756531
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - Conserve Drive Mode, Quad Motor, Max Battery Pack, and 22" UHP Wheels. Cycle 1: 371.26 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
Test #	TRIV10090218	Test Procedure	77 - Multi-Cycle Test (MCT)																
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity																
Test Date	02/16/2025	Fuel	N/A																
Fuel Batch ID	--	Fuel Calibration Number	--																
Vehicle Class	N/A	DF Type	EPA Assigned																
Verify Test Lab ID	FEV Michigan																		
E10 Evaporative Test Measurement Method	--																		
Test Start Odometer Reading	3504	Odometer Units	M																
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--																
State of Charge Delta	Yes																		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes																
PHEV/EV Charge Depleting Test Information																			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	161.54																
Charge Depleting Range (Calculated miles)	534.52	Charge Depleting Range (Actual miles)	534.52																
Charge Depleting Range Highway (Calculated miles)	479.23	Derived 5-Cycle Coefficient Model Year	--																
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	534.52																
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--																
Charge Depleting Bag/Phase #1																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.427</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.07</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.59</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-1.51</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.185</td></tr><tr><td>Manufacturer Fuel Economy</td><td>29.41</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.427	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.07	Drive Trace Energy Economy Rating	-0.59	Drive Trace Inertia Work Ratio Rating	-1.51	Integrated DC KW-HRS	2.185	Manufacturer Fuel Economy	29.41
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.427																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-1.07																		
Drive Trace Energy Economy Rating	-0.59																		
Drive Trace Inertia Work Ratio Rating	-1.51																		
Integrated DC KW-HRS	2.185																		
Manufacturer Fuel Economy	29.41																		
Charge Depleting Bag/Phase #2																			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	10.251
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	2.71
		Drive Trace Energy Economy Rating	0.55
		Drive Trace Inertia Work Ratio Rating	3.31
		Integrated DC KW-HRS	3.044
		Manufacturer Fuel Economy	29.7
Charge Depleting Bag/Phase #3			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.42
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	-0.42
		Drive Trace Energy Economy Rating	-0.2
		Drive Trace Inertia Work Ratio Rating	-0.21
		Integrated DC KW-HRS	1.955
		Manufacturer Fuel Economy	26.35
Charge Depleting Bag/Phase #4			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	308.065
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	58.74
		Drive Trace Energy Economy Rating	-1.65
		Drive Trace Inertia Work Ratio Rating	99.99
		Integrated DC KW-HRS	110.69
		Manufacturer Fuel Economy	35.93
Charge Depleting Bag/Phase #5			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.421
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	-0.67
		Drive Trace Energy Economy Rating	-0.38
		Drive Trace Inertia Work Ratio Rating	-0.68
		Integrated DC KW-HRS	1.908
		Manufacturer Fuel Economy	25.71
Charge Depleting Bag/Phase #6			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.237</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.14</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.46</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.09</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.911</td></tr><tr><td>Manufacturer Fuel Economy</td><td>28.43</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.237	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.14	Drive Trace Energy Economy Rating	0.46	Drive Trace Inertia Work Ratio Rating	1.09	Integrated DC KW-HRS	2.911	Manufacturer Fuel Economy	28.43
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.237																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.14																		
Drive Trace Energy Economy Rating	0.46																		
Drive Trace Inertia Work Ratio Rating	1.09																		
Integrated DC KW-HRS	2.911																		
Manufacturer Fuel Economy	28.43																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.418</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.21</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.12</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.42</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.926</td></tr><tr><td>Manufacturer Fuel Economy</td><td>25.96</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.418	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.21	Drive Trace Energy Economy Rating	0.12	Drive Trace Inertia Work Ratio Rating	0.42	Integrated DC KW-HRS	1.926	Manufacturer Fuel Economy	25.96
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.418																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.21																		
Drive Trace Energy Economy Rating	0.12																		
Drive Trace Inertia Work Ratio Rating	0.42																		
Integrated DC KW-HRS	1.926																		
Manufacturer Fuel Economy	25.96																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>40.743</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>99.99</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.85</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>99.99</td></tr><tr><td>Integrated DC KW-HRS</td><td>14.67</td></tr><tr><td>Manufacturer Fuel Economy</td><td>36.01</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	40.743	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	99.99	Drive Trace Energy Economy Rating	-0.85	Drive Trace Inertia Work Ratio Rating	99.99	Integrated DC KW-HRS	14.67	Manufacturer Fuel Economy	36.01
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	40.743																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	99.99																		
Drive Trace Energy Economy Rating	-0.85																		
Drive Trace Inertia Work Ratio Rating	99.99																		
Integrated DC KW-HRS	14.67																		
Manufacturer Fuel Economy	36.01																		
Manufacturer Test Comments																			
R1S - Conserve Drive Mode, Quad Motor, Max Battery Pack, and 22" UHP wheels. UDDS1: 294.13 Wh/mi, UDDS2: 263.47 Wh/mi, UDDS3: 257.09 Wh/mi, UDDS4: 259.61 Wh/mi. UDDS1 Energy: 2184.50 Wh HWY1: 296.97 Wh/mi, HWY2: 284.34 Wh/mi MCT Energy: 139292.04 Wh																			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090236	Test Procedure	86 - Charge Depleting 20 Degree F FTP
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	02/23/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4027	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	161.54
Charge Depleting Range (Calculated miles)	14.8	Charge Depleting Range (Actual miles)	14.8
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	14.8
Number of Charge Depleting Bags/Phases Conducted	4	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		3.595	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		0.82	
Drive Trace Energy Economy Rating		-0.24	
Drive Trace Inertia Work Ratio Rating		1.34	
Integrated DC KW-HRS		1.991	
Manufacturer Fuel Economy		55.38	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.858</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.6</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.18</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.09</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.761</td></tr><tr><td>Manufacturer Fuel Economy</td><td>45.66</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.858	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.6	Drive Trace Energy Economy Rating	0.18	Drive Trace Inertia Work Ratio Rating	1.09	Integrated DC KW-HRS	1.761	Manufacturer Fuel Economy	45.66		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.858																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.6																		
Drive Trace Energy Economy Rating	0.18																		
Drive Trace Inertia Work Ratio Rating	1.09																		
Integrated DC KW-HRS	1.761																		
Manufacturer Fuel Economy	45.66																		
Charge Depleting Bag/Phase #3																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.591</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.26</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.35</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.09</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.601</td></tr><tr><td>Manufacturer Fuel Economy</td><td>44.59</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.591	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.26	Drive Trace Energy Economy Rating	0.35	Drive Trace Inertia Work Ratio Rating	-0.09	Integrated DC KW-HRS	1.601	Manufacturer Fuel Economy	44.59		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.591																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.26																		
Drive Trace Energy Economy Rating	0.35																		
Drive Trace Inertia Work Ratio Rating	-0.09																		
Integrated DC KW-HRS	1.601																		
Manufacturer Fuel Economy	44.59																		
Charge Depleting Bag/Phase #4																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.85</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.51</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.39</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.24</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.524</td></tr><tr><td>Manufacturer Fuel Economy</td><td>39.58</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.85	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.51	Drive Trace Energy Economy Rating	0.39	Drive Trace Inertia Work Ratio Rating	1.24	Integrated DC KW-HRS	1.524	Manufacturer Fuel Economy	39.58		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.85																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.51																		
Drive Trace Energy Economy Rating	0.39																		
Drive Trace Inertia Work Ratio Rating	1.24																		
Integrated DC KW-HRS	1.524																		
Manufacturer Fuel Economy	39.58																		
Manufacturer Test Comments		R1S - Conserve Drive Mode, Quad Motor, Max Battery Pack, and 22" UHP Wheels. Cycle 1: 553.82 Wh/mi, Cycle 2: 456.55 Wh/mi, Cycle 3: 445.88 Wh/mi, Cycle 4: 395.75 Wh/mi.																	

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
Test #	TRIV10090913	Test Procedure	77 - Multi-Cycle Test (MCT)																
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity																
Test Date	05/02/2025	Fuel	N/A																
Fuel Batch ID	--	Fuel Calibration Number	--																
Vehicle Class	N/A	DF Type	EPA Assigned																
Verify Test Lab ID	EPA Ann Arbor																		
E10 Evaporative Test Measurement Method	--																		
Test Start Odometer Reading	7104	Odometer Units	M																
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--																
State of Charge Delta	Yes																		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes																
PHEV/EV Charge Depleting Test Information																			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	158.659																
Charge Depleting Range (Calculated miles)	535.186	Charge Depleting Range (Actual miles)	535.186																
Charge Depleting Range Highway (Calculated miles)	479.55	Derived 5-Cycle Coefficient Model Year	--																
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	535.186																
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--																
Charge Depleting Bag/Phase #1																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.393</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.32</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.235</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.127</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.1</td></tr><tr><td>Manufacturer Fuel Economy</td><td>28.4</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.393	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.32	Drive Trace Energy Economy Rating	0.235	Drive Trace Inertia Work Ratio Rating	0.127	Integrated DC KW-HRS	2.1	Manufacturer Fuel Economy	28.4
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.393																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.32																		
Drive Trace Energy Economy Rating	0.235																		
Drive Trace Inertia Work Ratio Rating	0.127																		
Integrated DC KW-HRS	2.1																		
Manufacturer Fuel Economy	28.4																		
Charge Depleting Bag/Phase #2																			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	10.235
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	2.76
		Drive Trace Energy Economy Rating	0.096
		Drive Trace Inertia Work Ratio Rating	2.964
		Integrated DC KW-HRS	3.004
		Manufacturer Fuel Economy	29.35
Charge Depleting Bag/Phase #3			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.414
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	0.95
		Drive Trace Energy Economy Rating	0.59
		Drive Trace Inertia Work Ratio Rating	1.087
		Integrated DC KW-HRS	1.93
		Manufacturer Fuel Economy	26.04
Charge Depleting Bag/Phase #4			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	306.244
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	99.9
		Drive Trace Energy Economy Rating	99.9
		Drive Trace Inertia Work Ratio Rating	99.9
		Integrated DC KW-HRS	110.74
		Manufacturer Fuel Economy	36.16
Charge Depleting Bag/Phase #5			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.413
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	1.16
		Drive Trace Energy Economy Rating	1.015
		Drive Trace Inertia Work Ratio Rating	1.669
		Integrated DC KW-HRS	1.894
		Manufacturer Fuel Economy	25.55
Charge Depleting Bag/Phase #6			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.241</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>2.96</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.526</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>3.461</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.87</td></tr><tr><td>Manufacturer Fuel Economy</td><td>28.03</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.241	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	2.96	Drive Trace Energy Economy Rating	0.526	Drive Trace Inertia Work Ratio Rating	3.461	Integrated DC KW-HRS	2.87	Manufacturer Fuel Economy	28.03		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.241																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	2.96																		
Drive Trace Energy Economy Rating	0.526																		
Drive Trace Inertia Work Ratio Rating	3.461																		
Integrated DC KW-HRS	2.87																		
Manufacturer Fuel Economy	28.03																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.426</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.37</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.509</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.624</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.887</td></tr><tr><td>Manufacturer Fuel Economy</td><td>25.41</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.426	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.37	Drive Trace Energy Economy Rating	0.509	Drive Trace Inertia Work Ratio Rating	1.624	Integrated DC KW-HRS	1.887	Manufacturer Fuel Economy	25.41		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.426																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.37																		
Drive Trace Energy Economy Rating	0.509																		
Drive Trace Inertia Work Ratio Rating	1.624																		
Integrated DC KW-HRS	1.887																		
Manufacturer Fuel Economy	25.41																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>36.791</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>99.9</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>99.9</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>99.9</td></tr><tr><td>Integrated DC KW-HRS</td><td>13.147</td></tr><tr><td>Manufacturer Fuel Economy</td><td>35.73</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	36.791	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	99.9	Drive Trace Energy Economy Rating	99.9	Drive Trace Inertia Work Ratio Rating	99.9	Integrated DC KW-HRS	13.147	Manufacturer Fuel Economy	35.73		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	36.791																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	99.9																		
Drive Trace Energy Economy Rating	99.9																		
Drive Trace Inertia Work Ratio Rating	99.9																		
Integrated DC KW-HRS	13.147																		
Manufacturer Fuel Economy	35.73																		
Manufacturer Test Comments		R1S - Conserve Drive Mode, Quad Motor, Max Battery Pack, and 22" UHP wheels. UDDS1: 284.02 Wh/mi, UDDS2: 260.35 Wh/mi, UDDS3: 255.48 Wh/mi, UDDS4: 254.07 Wh/mi. UDDS1 Energy: 2099.79 Wh HWY1: 293.48 Wh/mi, HWY2: 280.29 Wh/mi MCT Energy: 137571.98 Wh																	

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--						
Emission Data Vehicle Information									
Vehicle ID / Configuration	R1S1823R22UHP / 1	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TRIVT00.0194	Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2026								
Vehicle Model									
Represented Test Vehicle Make	Rivian	Represented Test Vehicle Model	R1S Quad Max (22in UHP)						
Leak Family Details									
Leak Family Identifier	--	Leak Family Name	--						
Drive Sources and Fuel System Details									
	<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> </thead> <tbody> <tr> <td>1</td><td>Electric Motor</td><td>Electricity</td></tr> </tbody> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity		
Drive Source and Fuel#	Drive Source	Fuel							
1	Electric Motor	Electricity							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes						
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	Yes								
Odometer Correction -- Initial	1	Odometer Correction Factor	1						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Miles								
Engine Code	200X2SW182X2	Rated Horsepower	1025						
Displacement (liters)	99.999								
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'	Electric						
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--						
Charge Air Cooler Type	--	Drive Mode While Testing	4-Wheel Drive						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	6808	Equivalent Test Weight (pounds)	7000						
GVWR (lbs)	--	N/V Ratio	999						
Axle Ratio	9.99								
Transmission Type	Automatic	# of Transmission Gears	1						
Transmission Lockup	No	Creep Gear	No						

Certification Summary Information Report

Test Group		VRIVT00.0194			Evaporative/Refueling Family		--
Dynamometer Coefficients:							
Target Coefficients				Set Coefficients			
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
City/Highway/Evap	56.01	-0.0389	0.02855	-7.93	0.0764	0.02434	16.7
Cold CO	61.61	-0.0428	0.03141	-7.57	-0.4102	0.02958	N/A
US06	56.01	-0.0389	0.02855	-7.93	0.0764	0.02434	N/A
Emission Control Device Comments		Battery Electric Vehicle					
Manufacturer Test Vehicle Comments		R1S Quad Max (22in UHP) - All Purpose Drive Mode FDU Axle Ratio: 9.0:1 RDU Axle Ratio: 11.7:1 FDU N/V: 96.5 RDU N/V: 125.9					

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090221	Test Procedure	2 - CVS 75 and later (w/o can. load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	03/08/2025	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	MDPV	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4603	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.37	--
DT-EER (Drive Trace Energy Economy Rating)	-0.46	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.28	--
MFR FE (Manufacturer Fuel Economy)	31.18	108.0981398
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 22" UHP Wheels. Cycle 1: 350.24 Wh/mi, Cycle 2: 287.12 Wh/mi, Cycle 3: 331.20 Wh/mi, Cycle 4: 282.58 Wh/mi.

Certification Summary Information Report

Test Group		VRIVT00.0194			Evaporative/Refueling Family				--			
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 4 Bin 0	CO	0.0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0.0	--	--	--	0	--	0	0	Pass

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090226	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	03/08/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4603	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.93	--
DT-EER (Drive Trace Energy Economy Rating)	-0.49	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.26	--
MFR FE (Manufacturer Fuel Economy)	34.32	98.208042
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 22" UHP Wheels. Cycle 1: 343.19 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090232	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	03/07/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4587	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-3.1	--
DT-EER (Drive Trace Energy Economy Rating)	-2.61	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-5.23	--
MFR FE (Manufacturer Fuel Economy)	44.27	76.1350802
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 22" UHP Wheels. Cycle 1 (City1): 411.85 Wh/mi, Cycle 2 (HWY): 448.16 Wh/mi, Cycle 3 (City2): 452.91 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090235	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	03/09/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4629	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.32	--
DT-EER (Drive Trace Energy Economy Rating)	0.09	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.11	--
MFR FE (Manufacturer Fuel Economy)	42.18	79.9075391
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 22" UHP Wheels. Cycle 1: 421.80 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
Test #	TRIV10090219	Test Procedure	77 - Multi-Cycle Test (MCT)																
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity																
Test Date	02/28/2025	Fuel	N/A																
Fuel Batch ID	--	Fuel Calibration Number	--																
Vehicle Class	N/A	DF Type	EPA Assigned																
Verify Test Lab ID	FEV Michigan																		
E10 Evaporative Test Measurement Method	--																		
Test Start Odometer Reading	4122	Odometer Units	M																
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--																
State of Charge Delta	Yes																		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes																
PHEV/EV Charge Depleting Test Information																			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	162.15																
Charge Depleting Range (Calculated miles)	466.92	Charge Depleting Range (Actual miles)	466.92																
Charge Depleting Range Highway (Calculated miles)	405.2	Derived 5-Cycle Coefficient Model Year	--																
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	466.92																
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--																
Charge Depleting Bag/Phase #1																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.426</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.89</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.53</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.44</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.56</td></tr><tr><td>Manufacturer Fuel Economy</td><td>34.48</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.426	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.89	Drive Trace Energy Economy Rating	0.53	Drive Trace Inertia Work Ratio Rating	1.44	Integrated DC KW-HRS	2.56	Manufacturer Fuel Economy	34.48
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.426																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.89																		
Drive Trace Energy Economy Rating	0.53																		
Drive Trace Inertia Work Ratio Rating	1.44																		
Integrated DC KW-HRS	2.56																		
Manufacturer Fuel Economy	34.48																		
Charge Depleting Bag/Phase #2																			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	10.243
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	1.43
		Drive Trace Energy Economy Rating	-0.11
		Drive Trace Inertia Work Ratio Rating	1.69
		Integrated DC KW-HRS	3.626
		Manufacturer Fuel Economy	35.4
Charge Depleting Bag/Phase #3			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.444
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	1.32
		Drive Trace Energy Economy Rating	0.64
		Drive Trace Inertia Work Ratio Rating	2.18
		Integrated DC KW-HRS	2.295
		Manufacturer Fuel Economy	30.83
Charge Depleting Bag/Phase #4			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	261.69
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	39.78
		Drive Trace Energy Economy Rating	-0.11
		Drive Trace Inertia Work Ratio Rating	79.42
		Integrated DC KW-HRS	110.15
		Manufacturer Fuel Economy	42.09
Charge Depleting Bag/Phase #5			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.417
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	0.23
		Drive Trace Energy Economy Rating	0.44
		Drive Trace Inertia Work Ratio Rating	-0.02
		Integrated DC KW-HRS	2.166
		Manufacturer Fuel Economy	29.2
Charge Depleting Bag/Phase #6			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.235</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.42</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.13</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.69</td></tr><tr><td>Integrated DC KW-HRS</td><td>3.416</td></tr><tr><td>Manufacturer Fuel Economy</td><td>33.38</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.235	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.42	Drive Trace Energy Economy Rating	-0.13	Drive Trace Inertia Work Ratio Rating	1.69	Integrated DC KW-HRS	3.416	Manufacturer Fuel Economy	33.38		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.235																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.42																		
Drive Trace Energy Economy Rating	-0.13																		
Drive Trace Inertia Work Ratio Rating	1.69																		
Integrated DC KW-HRS	3.416																		
Manufacturer Fuel Economy	33.38																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.412</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.91</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>1.07</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.43</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.167</td></tr><tr><td>Manufacturer Fuel Economy</td><td>29.24</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.412	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.91	Drive Trace Energy Economy Rating	1.07	Drive Trace Inertia Work Ratio Rating	1.43	Integrated DC KW-HRS	2.167	Manufacturer Fuel Economy	29.24		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.412																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.91																		
Drive Trace Energy Economy Rating	1.07																		
Drive Trace Inertia Work Ratio Rating	1.43																		
Integrated DC KW-HRS	2.167																		
Manufacturer Fuel Economy	29.24																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>29.625</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>99.99</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.4</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>43.14</td></tr><tr><td>Integrated DC KW-HRS</td><td>12.97</td></tr><tr><td>Manufacturer Fuel Economy</td><td>43.77</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	29.625	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	99.99	Drive Trace Energy Economy Rating	-0.4	Drive Trace Inertia Work Ratio Rating	43.14	Integrated DC KW-HRS	12.97	Manufacturer Fuel Economy	43.77		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	29.625																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	99.99																		
Drive Trace Energy Economy Rating	-0.4																		
Drive Trace Inertia Work Ratio Rating	43.14																		
Integrated DC KW-HRS	12.97																		
Manufacturer Fuel Economy	43.77																		
Manufacturer Test Comments		R1S - All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 22" UHP wheels. UDDS1: 344.78 Wh/mi, UDDS2: 308.31 Wh/mi, UDDS3: 292.00 Wh/mi, UDDS4: 292.40 Wh/mi. UDDS1 Energy: 2560.37 Wh HWY1: 354.01 Wh/mi, HWY2: 333.79 Wh/mi MCT Energy: 139347.83 Wh																	

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
Test #	TRIV10090237	Test Procedure	86 - Charge Depleting 20 Degree F FTP																
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity																
Test Date	03/19/2025	Fuel	N/A																
Fuel Batch ID	--	Fuel Calibration Number	--																
Vehicle Class	N/A	DF Type	EPA Assigned																
Verify Test Lab ID	FEV Michigan																		
E10 Evaporative Test Measurement Method	--																		
Test Start Odometer Reading	4668	Odometer Units	M																
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--																
State of Charge Delta	Yes																		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes																
PHEV/EV Charge Depleting Test Information																			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	162.15																
Charge Depleting Range (Calculated miles)	14.9	Charge Depleting Range (Actual miles)	14.9																
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	--																
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	14.9																
Number of Charge Depleting Bags/Phases Conducted	4	Transition Bag/Phase Number	--																
Charge Depleting Bag/Phase #1																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.594</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.9</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.14</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.84</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.251</td></tr><tr><td>Manufacturer Fuel Economy</td><td>62.62</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.594	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.9	Drive Trace Energy Economy Rating	0.14	Drive Trace Inertia Work Ratio Rating	0.84	Integrated DC KW-HRS	2.251	Manufacturer Fuel Economy	62.62
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.594																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.9																		
Drive Trace Energy Economy Rating	0.14																		
Drive Trace Inertia Work Ratio Rating	0.84																		
Integrated DC KW-HRS	2.251																		
Manufacturer Fuel Economy	62.62																		
Charge Depleting Bag/Phase #2																			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.857</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.02</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.08</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.91</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.145</td></tr><tr><td>Manufacturer Fuel Economy</td><td>55.62</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.857	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.02	Drive Trace Energy Economy Rating	0.08	Drive Trace Inertia Work Ratio Rating	1.91	Integrated DC KW-HRS	2.145	Manufacturer Fuel Economy	55.62		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.857																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.02																		
Drive Trace Energy Economy Rating	0.08																		
Drive Trace Inertia Work Ratio Rating	1.91																		
Integrated DC KW-HRS	2.145																		
Manufacturer Fuel Economy	55.62																		
Charge Depleting Bag/Phase #3																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.593</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.57</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.46</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.44</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.829</td></tr><tr><td>Manufacturer Fuel Economy</td><td>50.91</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.593	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.57	Drive Trace Energy Economy Rating	0.46	Drive Trace Inertia Work Ratio Rating	2.44	Integrated DC KW-HRS	1.829	Manufacturer Fuel Economy	50.91		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.593																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.57																		
Drive Trace Energy Economy Rating	0.46																		
Drive Trace Inertia Work Ratio Rating	2.44																		
Integrated DC KW-HRS	1.829																		
Manufacturer Fuel Economy	50.91																		
Charge Depleting Bag/Phase #4																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.847</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.36</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.73</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.02</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.762</td></tr><tr><td>Manufacturer Fuel Economy</td><td>45.8</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.847	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.36	Drive Trace Energy Economy Rating	0.73	Drive Trace Inertia Work Ratio Rating	2.02	Integrated DC KW-HRS	1.762	Manufacturer Fuel Economy	45.8		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.847																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.36																		
Drive Trace Energy Economy Rating	0.73																		
Drive Trace Inertia Work Ratio Rating	2.02																		
Integrated DC KW-HRS	1.762																		
Manufacturer Fuel Economy	45.8																		
Manufacturer Test Comments		R1S - All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 22" UHP Wheels. Cycle 1: 626.22 Wh/mi, Cycle 2: 556.20 Wh/mi, Cycle 3: 509.14 Wh/mi, Cycle 4: 457.98 Wh/mi.																	

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
Test #	TRIV10090912	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	05/07/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	EPA Ann Arbor		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	7545	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	158.036
Charge Depleting Range (Calculated miles)	465.896	Charge Depleting Range (Actual miles)	465.896
Charge Depleting Range Highway (Calculated miles)	405.67	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	465.896
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		7.402	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		0.99	
Drive Trace Energy Economy Rating		0.242	
Drive Trace Inertia Work Ratio Rating		1.05	
Integrated DC KW-HRS		2.515	
Manufacturer Fuel Economy		33.97	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	10.238
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	3.36
		Drive Trace Energy Economy Rating	0.537
		Drive Trace Inertia Work Ratio Rating	4.092
		Integrated DC KW-HRS	3.586
		Manufacturer Fuel Economy	35.03
Charge Depleting Bag/Phase #3			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.399
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	0.83
		Drive Trace Energy Economy Rating	0.396
		Drive Trace Inertia Work Ratio Rating	0.808
		Integrated DC KW-HRS	2.262
		Manufacturer Fuel Economy	30.58
Charge Depleting Bag/Phase #4			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	254.352
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	99.9
		Drive Trace Energy Economy Rating	99.9
		Drive Trace Inertia Work Ratio Rating	99.9
		Integrated DC KW-HRS	107.677
		Manufacturer Fuel Economy	42.33
Charge Depleting Bag/Phase #5			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.41
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	0.98
		Drive Trace Energy Economy Rating	0.582
		Drive Trace Inertia Work Ratio Rating	0.958
		Integrated DC KW-HRS	2.165
		Manufacturer Fuel Economy	29.21
Charge Depleting Bag/Phase #6			

Certification Summary Information Report

Test Group	VRIVT00.0194	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.24</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>4.46</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.578</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>5.384</td></tr><tr><td>Integrated DC KW-HRS</td><td>3.397</td></tr><tr><td>Manufacturer Fuel Economy</td><td>33.18</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.24	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	4.46	Drive Trace Energy Economy Rating	0.578	Drive Trace Inertia Work Ratio Rating	5.384	Integrated DC KW-HRS	3.397	Manufacturer Fuel Economy	33.18
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.24																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	4.46																		
Drive Trace Energy Economy Rating	0.578																		
Drive Trace Inertia Work Ratio Rating	5.384																		
Integrated DC KW-HRS	3.397																		
Manufacturer Fuel Economy	33.18																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.421</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.44</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.378</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.503</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.156</td></tr><tr><td>Manufacturer Fuel Economy</td><td>29.05</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.421	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.44	Drive Trace Energy Economy Rating	0.378	Drive Trace Inertia Work Ratio Rating	0.503	Integrated DC KW-HRS	2.156	Manufacturer Fuel Economy	29.05
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.421																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.44																		
Drive Trace Energy Economy Rating	0.378																		
Drive Trace Inertia Work Ratio Rating	0.503																		
Integrated DC KW-HRS	2.156																		
Manufacturer Fuel Economy	29.05																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>33.303</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>99.9</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>99.9</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>99.9</td></tr><tr><td>Integrated DC KW-HRS</td><td>14.577</td></tr><tr><td>Manufacturer Fuel Economy</td><td>43.77</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	33.303	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	99.9	Drive Trace Energy Economy Rating	99.9	Drive Trace Inertia Work Ratio Rating	99.9	Integrated DC KW-HRS	14.577	Manufacturer Fuel Economy	43.77
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	33.303																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	99.9																		
Drive Trace Energy Economy Rating	99.9																		
Drive Trace Inertia Work Ratio Rating	99.9																		
Integrated DC KW-HRS	14.577																		
Manufacturer Fuel Economy	43.77																		
Manufacturer Test Comments		R1S - All Purpose Drive Mode, Quad Motor, Max Battery Pack, and 22" UHP wheels. UDDS1: 339.73 Wh/mi, UDDS2: 305.76 Wh/mi, UDDS3: 292.11 Wh/mi, UDDS4: 290.52 Wh/mi. UDDS1 Energy: 2514.61 Wh HWY1: 350.27 Wh/mi, HWY2: 331.80 Wh/mi MCT Energy: 138334.82 Wh																	
Fuel Properties																			

Certification Summary Information Report

Test Group		VRIVT00.0194			Evaporative/Refueling Family			--	
Consolidated List of Standards									
Exhaust Standards									
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		MDPV			Standard Level			Federal Tier 4 Bin 0	
Fuel		Electricity			Test Procedure			Charge Depleting Highway	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0	0
150,000 miles	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		MDPV			Standard Level			Federal Tier 4 Bin 0	
Fuel		Electricity			Test Procedure			Charge Depleting UDDS	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0	0
150,000 miles	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		MDPV			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			Charge Depleting UDDS	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0	0
150,000 miles	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0

Certification Summary Information Report

Test Group		VRIVT00.0194			Evaporative/Refueling Family			--	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		MDPV			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			Charge Depleting Highway	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0	0
150,000 miles	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		MDPV			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			CVS 75 and later (w/o can. load)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0	0
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		MDPV			Standard Level			Federal Tier 4 Bin 0	
Fuel		Electricity			Test Procedure			CVS 75 and later (w/o can. load)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0	0

Certification Summary Information Report

Test Group		VRIVT00.0194	Evaporative/Refueling Family		--
Glossary					
Useful Life					
4	4,000 miles		120	120,000 miles	
50	50,000 miles		150	150,000 miles	
100	100,000 miles				
Emission Name					
HC-TOTAL	Total Hydrocarbon		COMB-CREE	Combined Carbon-Related Exhaust Emissions	
CO	Carbon Monoxide		COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions	
CO2	Carbon dioxide		HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only	
CREE	Carbon-Related Exhaust Emissions		METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only	
OPT-CREE	Optional Carbon-Related Exhaust Emissions		N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only	
NOX	Nitrogen Oxide		LEAK-DIA	Effective Leak Diameter (inches)	
PM	Particulate Matter		LEAK-GAS CAP	Gas Cap Leakage (cc/min)	
PM-COMP	SFTP Composite Particulate Matter		CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only	
HC-NM	Non-methane Hydrocarbon		KW-HRS	Integrated DC KW-HRS	
OMHCE	Organic material Hydrocarbon Equivalent		CH4 BAG 1	Bag 1 Methane	
OMNMHCE	Organic material non-methane HC equivalent		CH4 BAG 2	Bag 2 Methane	
NMOG	Non-methane organic gases		CH4 BAG 3	Bag 3 Methane	
HCHO	Formaldehyde		CH4 BAG 4	Bag 4 Methane	
H3C2HO	Acetaldehyde		CO BAG 1	Bag 1 Carbon Monoxide	
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03		CO BAG 2	Bag 2 Carbon Monoxide	
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides		CO BAG 3	Bag 3 Carbon Monoxide	
CO-COMP	SFTP Composite Carbon Monoxide		CO BAG 4	Bag 4 Carbon Monoxide	
ETHANOL	C2H5OH - Ethanol		NMOG BAG 1	Bag 1 Non-methane organic gases	
FE BAG 1	Bag 1 Fuel Economy		NMOG BAG 2	Bag 2 Non-methane organic gases	
FE BAG 2	Bag 2 Fuel Economy		NMOG BAG 3	Bag 3 Non-methane organic gases	
FE BAG 3	Bag 3 Fuel Economy		NMOG BAG 4	Bag 4 Non-methane organic gases	
FE BAG 4	Bag 4 Fuel Economy		ACT-DISTANCE BAG 1	Bag 1 Actual Distance	
MFR FE	Manufacturer Fuel Economy		ACT-DISTANCE BAG 2	Bag 2 Actual Distance	
HC	Hydrocarbon for Running Loss and ORVR		ACT-DISTANCE BAG 3	Bag 3 Actual Distance	
METHANE	CH4 - Methane		ACT-DISTANCE BAG 4	Bag 4 Actual Distance	
METHANOL	CH3OH - Methanol		HC-TOTAL BAG 1	Bag 1 Total Hydrocarbon	
N2O	Nitrous Oxide		HC-TOTAL BAG 2	Bag 2 Total Hydrocarbon	
SPITBACK	Spitback Hydrocarbon in grams		HC-TOTAL BAG 3	Bag 3 Total Hydrocarbon	
AMP-HRS	Integrated Amp-hours		HC-TOTAL BAG 4	Bag 4 Total Hydrocarbon	
START-SOC	System Start State of Charge Watt-hours		WATT-HRS BAG 1	Bag 1 Watt Hours	
END-SOC	System End State of Charge Watt-hours		WATT-HRS BAG 2	Bag 2 Watt Hours	

Certification Summary Information Report

Test Group		VRIVT00.0194	Evaporative/Refueling Family		--
ACT-DISTANCE	Actual Distance Driven (miles)		WATT-HRS BAG 3	Bag 3 Watt Hours	
AS-VOLT	Average System Voltage		WATT-HRS BAG 4	Bag 4 Watt Hours	
CO2 BAG 1	Bag 1 Carbon Dioxide		WATT-HRS	Watt Hours	
CO2 BAG 2	Bag 2 Carbon Dioxide		HC-NM BAG 1	Bag 1 Non-methane Hydrocarbon	
CO2 BAG 3	Bag 3 Carbon Dioxide		HC-NM BAG 2	Bag 2 Non-methane Hydrocarbon	
CO2 BAG 4	Bag 4 Carbon Dioxide		HC-NM BAG 3	Bag 3 Non-methane Hydrocarbon	
NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides		HC-NM BAG 4	Bag 4 Non-methane Hydrocarbon	
NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides		N2O BAG 1	Bag 1 Nitrous Oxide	
DT-IWRR	Drive Trace Inertia Work Ratio Rating		N2O BAG 2	Bag 2 Nitrous Oxide	
DT-ASCR	Drive Trace Absolute Speed Change Rating		N2O BAG 3	Bag 3 Nitrous Oxide	
DT-EER	Drive Trace Energy Economy Rating		N2O BAG 4	Bag 4 Nitrous Oxide	
Certification Region					
CA	California + CAA Section 177 states		FA	Federal	
Exhaust Emission Standard Level					
B1	Federal Tier 2 Bin 1		HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340	
B2	Federal Tier 2 Bin 2		HDV2B250	Federal Tier 3 HD Class 2b Bin 250	
B3	Federal Tier 2 Bin 3		HDV2B200	Federal Tier 3 HD Class 2b Bin 200	
B4	Federal Tier 2 Bin 4		HDV2B170	Federal Tier 3 HD Class 2b Bin 170	
B5	Federal Tier 2 Bin 5		HDV2B150	Federal Tier 3 HD Class 2b Bin 150	
B6	Federal Tier 2 Bin 6		HDV2B0	Federal Tier 3 HD Class 2b Bin 0	
B7	Federal Tier 2 Bin 7		HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630	
B8	Federal Tier 2 Bin 8		HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570	
B9	Federal Tier 2 Bin 9		HDV3B400	Federal Tier 3 HD Class 3 Bin 400	
B10	Federal Tier 2 Bin 10		HDV3B270	Federal Tier 3 HD Class 3 Bin 270	
B11	Federal Tier 2 Bin 11		HDV3B230	Federal Tier 3 HD Class 3 Bin 230	
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)		HDV3B200	Federal Tier 3 HD Class 3 Bin 200	
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)		HDV3B0	Federal Tier 3 HD Class 3 Bin 0	
L2	California LEV-II LEV		L4SULEV100	California LEV-IV SULEV100	
L2OP	California LEV-II LEV Optional		L4SULEV125	California LEV-IV SULEV125	
U2	California LEV-II ULEV		L4SULEV15	California LEV-IV SULEV15	
S2	California LEV-II SULEV		L4SULEV150	California LEV-IV SULEV150	
ZEV	California ZEV		L4SULEV170	California LEV-IV SULEV170	
OT	Other		L4SULEV175	California LEV-IV SULEV175	
T1	Federal Tier 1		L4SULEV20	California LEV-IV SULEV20	
PZEV	California PZEV		L4SULEV200	California LEV-IV SULEV200	
L2LEV160	California LEV-II LEV160		L4SULEV230	California LEV-IV SULEV230	
L2ULEV125	California LEV-II ULEV125		L4SULEV25	California LEV-IV SULEV25	
L2SULEV30	California LEV-II SULEV30		L4SULEV30	California LEV-IV SULEV30	
L2LEV395	California LEV-II LEV395		L4SULEV75	California LEV-IV SULEV75	

Certification Summary Information Report

Test Group		VRIVT00.0194	Evaporative/Refueling Family		--
L2ULEV340	California LEV-II ULEV340		L4SULEV85	California LEV-IV SULEV85	
L2LEV630	California LEV-II LEV630		L4ULEV125	California LEV-IV ULEV125	
L2ULEV570	California LEV-II ULEV570		L4ULEV200	California LEV-IV ULEV200	
L3LEV160	California LEV-III LEV160		L4ULEV250	California LEV-IV ULEV250	
L3ULEV125	California LEV-III ULEV125		L4ULEV270	California LEV-IV ULEV270	
L3ULEV70	California LEV-III ULEV70		L4ULEV40	California LEV-IV ULEV40	
L3ULEV50	California LEV-III ULEV50		L4ULEV400	California LEV-IV ULEV400	
L3SULEV30	California LEV-III SULEV30		L4ULEV50	California LEV-IV ULEV50	
L3SULEV20	California LEV-III SULEV20		L4ULEV60	California LEV-IV ULEV60	
L3LEV395	California LEV-III LEV395		L4ULEV70	California LEV-IV ULEV70	
L3ULEV340	California LEV-III ULEV340		T4B170	Federal Tier 4 MDV Bin 170	
L3ULEV250	California LEV-III ULEV250		T4B150	Federal Tier 4 MDV Bin 150	
L3ULEV200	California LEV-III ULEV200		T4B125	Federal Tier 4 MDV Bin 125	
L3SULEV170	California LEV-III SULEV170		T4B100	Federal Tier 4 MDV Bin 100	
L3SULEV150	California LEV-III SULEV150		T4B85	Federal Tier 4 MDV Bin 85	
L3LEV630	California LEV-III LEV630		T4B75	Federal Tier 4 MDV Bin 75	
L3ULEV570	California LEV-III ULEV570		T4B70	Federal Tier 4 Bin 70	
L3ULEV400	California LEV-III ULEV400		T4B65	Federal Tier 4 Bin 65	
L3ULEV270	California LEV-III ULEV270		T4B60	Federal Tier 4 Bin 60	
L3SULEV230	California LEV-III SULEV230		T4B55	Federal Tier 4 Bin 55	
L3SULEV200	California LEV-III SULEV200		T4B50	Federal Tier 4 Bin 50	
T3B160	Federal Tier 3 Bin 160		T4B45	Federal Tier 4 Bin 45	
T3B125	Federal Tier 3 Bin 125		T4B40	Federal Tier 4 Bin 40	
T3B110	Federal Tier 3 Transitional Bin 110		T4B35	Federal Tier 4 Bin 35	
T3B85	Federal Tier 3 Transitional Bin 85		T4B30	Federal Tier 4 Bin 30	
T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover		T4B25	Federal Tier 4 Bin 25	
T3B70	Federal Tier 3 Bin 70		T4B20	Federal Tier 4 Bin 20	
T3B50	Federal Tier 3 Bin 50		T4B15	Federal Tier 4 Bin 15	
T3B30	Federal Tier 3 Bin 30		T4B10	Federal Tier 4 Bin 10	
T3B20	Federal Tier 3 Bin 20		T4B5	Federal Tier 4 Bin 5	
T3B0	Federal Tier 3 Bin 0		T4B0	Federal Tier 4 Bin 0	
HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395				
Transmission Type Code					
AMS	Automated Manual- Selectable (e.g. Automated Manual with paddles)	M	Manual		
A	Automatic	OT	Other		
AM	Automated Manual	SA	Semi-Automatic		
CVT	Continuously Variable	SCV	Selectable Continuously Variable (e.g. CVT with paddles)		
Drive System Code					
4	4-Wheel Drive	P	Part-time 4-Wheel Drive		

Certification Summary Information Report

Test Group		VRIVT00.0194		Evaporative/Refueling Family		--	
F	2-Wheel Drive, Front			A	All Wheel Drive		
R	2-Wheel Drive, Rear						
Additional Terms and Acronyms							
AFC	Alternative Fuel Converter			ICI	Independent Commercial Importer		
CSI	Certificate Summary Information			ORVR	Onboard Refueling Vapor Recovery		
DF	Deterioration Factor			SIL	Shift Indicator Light		
Evap	Evaporation, Evaporative			Trans	Transmission		

Suggested ZEV Application Format for Certification

E.O.#. _____ Page 1 of 22027 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLESManufacturer: Rivian Automotive, LLC Test Group: VRIVT00.0194Vehicle Class(es): PC____, LDT1 (0-3750 lbs. LVW)____, LDT2 ($\geq$ 3,751 lbs. LVW)____,
MDV6 (8,500-10,000 lbs. GVW) X, MDV7 (10,001-14,000 lbs. GVW)____ZEV Type: NEV____, ZEV XVehicle value: 0.8 (ACT)Fuel Type: Electro-chemical Battery X, Fuel Cell____, Capacitor____, Other (specify)____

Battery Type(s): Lead Acid____ Nickel Cadmium____ SBLA____ Sodium Sulfur____

Sodium Nickel Chloride____ Nickel Metal Hydride____ Lithium Metal Disulfide____

Zinc Air____ Zinc Bromine____ Lithium Polymer____ Lithium Ion X,

Other (specify): _____

Total Battery Weight (kg.): 787 Total Battery Volume (liters): 562No. of batteries or modules per vehicle: 1 Total Battery Voltage: 392Charger(s): On-board X Off-board X Conductive X Inductive____.

Drive Motors(s): AC Induction____ DC Brush____ DC Brushless____

Switched Reluctance____ Other (specify): AC Permanent Magnet.No. of Drive Motors 4 Rated motor power 4x 201 kW @ 5252 RPM Max rpm: 16000.Drive: FWD____ RWD____ 4WD-FT X 4WD-PT____Regenerative Braking: No____ Yes X FW____ RW____ AW X.Driver Controlled Regen Braking: Yes X No____ Coast Regen Braking: Yes X No____.Air Conditioning: Yes X No____, Fuel Fired Heater:¹ Yes____ No X.

Vehicle Make & Models (If coded, see attachments)	Trans type M5, A4 (If applicable)	GVWR	Curb Weight	ETW or Test Weight	DPA / RLHP or Dyno Coeff. a=, b=, c=
Make: Rivian Model: R1S Quad (20in AT) R1T Quad (20in AT)	Automatic	8532 lbs.	6960 lbs. (R1S) 7013 lbs. (R1T)	7500 lbs.	Conserve a: 57.29 lbf b: 0.1813 lbf/mph c: 0.02625 lbf/mph ² All-Purpose a: 59.64 lbf b: 0.1471 lbf/mph c: 0.02625 lbf/mph ²

Date Issued: 05/22/2026

Revisions:

¹ Fuel fired heaters are not allowed in pure ZEVs for model year 2009 and subsequently.

Suggested ZEV Application Format for Certification

E.O.#. _____ Page 2 of 22027 MODEL-YEAR AIR RESOURCES BOARD CERTIFICATION REVIEW SHEET
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLESManufacturer: Rivian Automotive, LLC Test Group: VRIVT00.0194

Range Test Results											
Vehicle ID	Trans	(check one) ____TW <u>X</u> ETW	(check one) ____DPA ____RLHP Or dyno coeff.	City Range	System AC (Wh/mi)	System DC (Wh/mi)	Vehicle DC (Wh/mi)				
R1S1823R20AT	Auto	7500 lbs.	Conserve: a: -19.00 lbs b: 0.2279 lbs/mph c: 0.02211 lbs/mph ² All-Purpose: a: -14.05 lbs b: 0.1890 lbs/mph c: 0.02182 lbs/mph ²	Conserve: 506.51	318.54	273.17	273.17				
				All-Purpose: 432.35	372.63	317.54	317.54				
				Hwy. Range	System AC (Wh/mi)	System DC (Wh/mi)	Vehicle DC (Wh/mi)				
				Conserve: 454.59	354.92	304.37	304.37				
				All-Purpose: 383.20	420.43	358.27	358.27				
<table border="1"> <tr> <td colspan="2">Combined Range</td> </tr> <tr> <td>All-Purpose: 410.23</td> <td>Conserve: 483.15</td> </tr> </table>								Combined Range		All-Purpose: 410.23	Conserve: 483.15
Combined Range											
All-Purpose: 410.23	Conserve: 483.15										

Battery Test Results: PASS Specific Energy: Wh/kg 190

Remarks:

Date Issued: 05/22/2026

Revisions:

----- ARB USE ONLY -----

Application:

Processed By: _____ Date: _____ Reviewed by: _____ Date: _____

Suggested ZEV Application Format for Certification

E.O.#. _____ Page 1 of 22027 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLESManufacturer: Rivian Automotive, LLC Test Group: VRIVT00.0194Vehicle Class(es): PC____, LDT1 (0-3750 lbs. LVW)____, LDT2 ($\geq$ 3,751 lbs. LVW)____,
MDV6 (8,500-10,000 lbs. GVW) X, MDV7 (10,001-14,000 lbs. GVW)____ZEV Type: NEV____, ZEV XVehicle value: 0.8 (ACT)Fuel Type: Electro-chemical Battery X, Fuel Cell____, Capacitor____, Other (specify)____

Battery Type(s): Lead Acid____ Nickel Cadmium____ SBLA____ Sodium Sulfur____

Sodium Nickel Chloride____ Nickel Metal Hydride____ Lithium Metal Disulfide____

Zinc Air____ Zinc Bromine____ Lithium Polymer____ Lithium Ion X,

Other (specify): _____

Total Battery Weight (kg.): 787 Total Battery Volume (liters): 562No. of batteries or modules per vehicle: 1 Total Battery Voltage: 392Charger(s): On-board X Off-board X Conductive X Inductive____.

Drive Motors(s): AC Induction____ DC Brush____ DC Brushless____

Switched Reluctance____ Other (specify): AC Permanent Magnet.No. of Drive Motors 4 Rated motor power 4x 201 kW @ 5252 RPM Max rpm: 16000.Drive: FWD____ RWD____ 4WD-FT X 4WD-PT____Regenerative Braking: No____ Yes X FW____ RW____ AW X.Driver Controlled Regen Braking: Yes X No____ Coast Regen Braking: Yes X No____.Air Conditioning: Yes X No____, Fuel Fired Heater:¹ Yes____ No X.

Vehicle Make & Models (If coded, see attachments)	Trans type M5, A4 (If applicable)	GVWR	Curb Weight	ETW or Test Weight	DPA / RLHP or Dyno Coeff. a=, b=, c=
Make: Rivian Model: R1S Quad (22in) R1T Quad (22in)	Automatic	8532 lbs.	6826 lbs. (R1S) 6814 lbs. (R1T)	7000 lbs.	Conserve a: 41.29 lbf b: 0.1197 lbf/mph c: 0.02519 lbf/mph ² All-Purpose a: 41.48 lbf b: 0.0633 lbf/mph c: 0.02714 lbf/mph ²

Date Issued: 05/22/2026

Revisions:

¹ Fuel fired heaters are not allowed in pure ZEVs for model year 2009 and subsequently.

Suggested ZEV Application Format for Certification

E.O.#. _____ Page 2 of 22027 MODEL-YEAR AIR RESOURCES BOARD CERTIFICATION REVIEW SHEET
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLESManufacturer: Rivian Automotive, LLC Test Group: VRIVT00.0194

Range Test Results											
Vehicle ID	Trans	(check one) ____TW <u>X</u> ETW	(check one) ____DPA ____RLHP Or dyno coeff.	City Range	System AC (Wh/mi)	System DC (Wh/mi)	Vehicle DC (Wh/mi)				
R1S1823R22	Auto	7000 lbs.	Conserve: a: -14.28 lbs b: 0.2798 lbs/mph c: 0.02105 lbs/mph ² All-Purpose: a: -11.36 lbs b: 0.1834 lbs/mph c: 0.02318 lbs/mph ²	Conserve: 593.78	275.19	231.25	231.25				
				All-Purpose: 489.75	335.39	281.72	281.72				
				Hwy. Range	System AC (Wh/mi)	System DC (Wh/mi)	Vehicle DC (Wh/mi)				
				Conserve: 527.41	309.82	260.35	260.35				
				All-Purpose: 433.64	378.79	318.17	318.17				
<table border="1"> <thead> <tr> <th colspan="2">Combined Range</th> </tr> </thead> <tbody> <tr> <td>All-Purpose: 464.50</td> <td>Conserve: 563.91</td> </tr> </tbody> </table>								Combined Range		All-Purpose: 464.50	Conserve: 563.91
Combined Range											
All-Purpose: 464.50	Conserve: 563.91										

Battery Test Results: PASS Specific Energy: Wh/kg 190

Remarks:

Date Issued: 05/22/2026

Revisions:

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Application:

Processed By: _____ Date: _____ Reviewed by: _____ Date: _____

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MDV6 (8,500-10,000 lbs. GVW) X, MDV7 (10,001-14,000 lbs. GVW)____ZEV Type: NEV____, ZEV XVehicle value: 0.8 (ACT)Fuel Type: Electro-chemical Battery X, Fuel Cell____, Capacitor____, Other (specify)____

Battery Type(s): Lead Acid____ Nickel Cadmium____ SBLA____ Sodium Sulfur____

Sodium Nickel Chloride____ Nickel Metal Hydride____ Lithium Metal Disulfide____

Zinc Air____ Zinc Bromine____ Lithium Polymer____ Lithium Ion X,

Other (specify): _____

Total Battery Weight (kg.): 787 Total Battery Volume (liters): 562No. of batteries or modules per vehicle: 1 Total Battery Voltage: 392Charger(s): On-board X Off-board X Conductive X Inductive____.

Drive Motors(s): AC Induction____ DC Brush____. DC Brushless____

Switched Reluctance____ Other (specify): AC Permanent Magnet.No. of Drive Motors 4 Rated motor power 4x 201 kW @ 5252 RPM Max rpm: 16000.Drive: FWD____ RWD____ 4WD-FT X 4WD-PT____Regenerative Braking: No____ Yes X FW____ RW____ AW X.Driver Controlled Regen Braking: Yes X No____ Coast Regen Braking: Yes X No____.Air Conditioning: Yes X No____, Fuel Fired Heater:¹ Yes____ No X.

Vehicle Make & Models (If coded, see attachments)	Trans type M5, A4 (If applicable)	GVWR	Curb Weight	ETW or Test Weight	DPA / RLHP or Dyno Coeff. a=, b=, c=
Make: Rivian Model: R1S Quad (22in UHP) R1T Quad (22in UHP)	Automatic	8532 lbs.	6808 lbs. (R1S) 6797 lbs. (R1T)	7000 lbs.	Conserve a: 56.24 lbf b: -0.04572 lbf/mph c: 0.02796 lbf/mph ² All-Purpose a: 56.01 lbf b: -0.0389 lbf/mph c: 0.02855 lbf/mph ²

Date Issued: 05/22/2026

Revisions:

¹ Fuel fired heaters are not allowed in pure ZEVs for model year 2009 and subsequently.

Suggested ZEV Application Format for Certification

E.O.#. _____ Page 2 of 22027 MODEL-YEAR AIR RESOURCES BOARD CERTIFICATION REVIEW SHEET
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLESManufacturer: Rivian Automotive, LLC Test Group: VRIVT00.0194

Range Test Results											
Vehicle ID	Trans	(check one) ____ TW <u>X</u> ETW	(check one) ____ DPA ____ RLHP Or dyno coeff.	City Range	System AC (Wh/mi)	System DC (Wh/mi)	Vehicle DC (Wh/mi)				
R1S1823R22UHP	Auto	7000 lbs.	Conserve: a: -4.28 lbs b: 0.0231 lbs/mph c: 0.02443 lbs/mph ² All-Purpose: a: -7.93 lbs b: 0.0764 lbs/mph c: 0.02434 lbs/mph ²	Conserve: 535.19	296.46	257.06	257.06				
				All-Purpose: 465.90	339.21	296.92	296.92				
				Hwy. Range	System AC (Wh/mi)	System DC (Wh/mi)	Vehicle DC (Wh/mi)				
				Conserve: 479.54	330.86	286.88	286.88				
				All-Purpose: 405.63	389.61	341.04	341.04				
<table border="1"> <thead> <tr> <th colspan="2">Combined Range</th> </tr> </thead> <tbody> <tr> <td>All-Purpose: 438.77</td> <td>Conserve: 510.14</td> </tr> </tbody> </table>								Combined Range		All-Purpose: 438.77	Conserve: 510.14
Combined Range											
All-Purpose: 438.77	Conserve: 510.14										

Battery Test Results: PASS Specific Energy: Wh/kg 190

Remarks:

Date Issued: 05/22/2026

Revisions:

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Application:

Processed By: _____ Date: _____ Reviewed by: _____ Date: _____

US EPA Fee Form

[Help and EPA Instructions](#)

* Required Field

General Information

Date: 05/13/2026

Process Code *

Submit New Fee Filing Form

Manufacturer Code *

RIV

Manufacturer Name *

Rivian Automotive LLC

Contact Name *

Sep Zaker

Contact Email Address *

sepzaker@rivian.com

Contact Phone *

Calendar Year complete application submitted
to EPA *

2026

PLEASE NOTE: These fees apply to complete certification applications received by EPA from January 1, 2026, through December 31, 2026. The applicable fee is determined by the

calendar year in which the complete certification application is received, not the model year.

Engine Family / Evaporative Family / Test Group *

VRIVT00.0194

Certificate Request Type (Industry Sector Code)

Certificate Request Type *

- ☒ On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (Federal) (A, B, D, J, T, V)
- ☐ On-Highway HDE Dyno Cert (Federal) (E, H)
- ☐ On-Highway LD ICI, MDPV ICI, HDV ICI (A, B, D, J, T, V)
- ☐ On-Highway Motorcycle (C)
- ☐ On-Highway HDV Evap (F)
- ☐ On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (California-Only) (A, B, D, J, T, V)
- ☐ On-Highway HDE Dyno Cert (California-Only) (E, H)
- ☐ Nonroad CI (L)
- ☐ Nonroad SI (B, S)
- ☐ Locomotive (G, K)
- ☐ All Nonroad Recreational, excluding Marine engines (X, Y)
- ☐ All Marine (Including IMO) (M, N, W)
- ☐ Component Certification for Evaporative Emissions (P)

IMO Name (Required for dual US/IMO Marine Only)

ICI VIN Number (Required for ICIs Only)

Do you qualify for a Reduced Fee? *

No

Payment Information

Amount Owed

\$32,317.00

Payment Type *

Online ACH

Comments

EPA Form Number 3520-29

OMB Control No. 2060-0545

Approval expires 7/31/2027

The public reporting and recordkeeping burden for this collection of information is estimated to average 12 minutes per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed forms to this address.