

Lexus RZ 450e Prototype

Specification

Drivetrain	Permanent magnet synchronous motor
Maximum power output	230 kW / 313 DIN hp
Maximum front motor output	150 kW
Maximum rear motor output	80 kW
Maximum front torque	266 Nm
Maximum rear torque	168 Nm
Battery	Lithium-ion
Number of cells	96
Rated voltage (V)	355
Nominal battery capacity	71,4 kWh / 64 kWh (net)
Steering Wheel	Steer-by-wire system with steering yoke
Energy consumption	18,7 kWh/100km
CO ₂	0 g/km
Topspeed	160 km/h
Acc. 0-100 km/h	5,3 sec.
Weight	2.640 kg

The testcar is equipped with following items as standard:

Luxury grade, 20" wheels BK, One Motion Grip steer-by-wire system, DIRECT4 all-wheel drive torque control system, radiant heaters, Lexus Link multimedia system, e-latch system with Safety Exit Assist, Frontlights low beam LED, Frontlights high beam LED+Matrix, Lexus Safety System +, exterior colour is sonic iridium (silver) and interior colour is hazel

The testcar is equipped with this optional equipment:

Optional equipment on this car: multi color INEI illumination, remote parking, Mark Levinson & Digital inner mirror

Comments:

This test car is equipped with a prototype 'Steer-by-wire' system and bespoke steering wheel. This system is still in final development stage, and will be introduced at a later stage on RZ. We also intend to retrofit on this car an important software update that will be available later this year in order to optimize the usage of the EV range and the communication with the driver. This update will include the following improvements:

- Reduction of the buffer below 0 km range by 8km approx.
- Improvement of the DC charging speed after 80% SOC
- Reduction of the impact of the use of HVAC system on the vehicle range
- Display of the state of charge in percentage during charging and driving, in addition to the display in km
- Initial range displayed after charge or ignition off increased to come closer to the WLTP range.
- Displayed range will no longer include 10% charging loss margin
- Increase of energy consumption sampling frequency from 5 min to 30 sec.