

LEXUS

RZ 450e

THE FUTURE IS ALL-ELECTRIC.



ARRIVING 2023

## THE FUTURE IS ALL-ELECTRIC

As the first globally available dedicated battery electric vehicle from Lexus, the new RZ marks the next step for the brand into a fully electrified future. The RZ 450e utilises a dedicated battery electric platform to significantly evolve vehicle performance for an exhilarating drive. This Lexus-first platform offers high levels of stability and ride comfort by mounting the battery under the vehicle floor for a low center of gravity and moment of inertia.



A man in a dark coat and glasses walks past a silver Lexus electric car at night in a modern city setting. The car is parked on a sidewalk, and the background features illuminated buildings and a futuristic architectural structure. The scene is lit with cool blue and white tones, creating a high-tech atmosphere.

## DESIGNING THE FUTURE

The exterior design expresses the seamless acceleration and dynamic torque-filled performance specific to electric vehicles. The signature Lexus spindle grille is replaced by a spindle body which focuses on aerodynamic efficiencies, optimised proportions, and style - versus serving the cooling and exhaust needs of an internal combustion engine. This styling evolution ushers in a new Lexus aesthetic and establishes a new design direction for future electrified offerings.



OPTIONAL DIMMING PANORAMIC ROOF



OPTIONAL YOKE STEERING WHEEL

### STEER-BY-WIRE & YOKE-LIKE STEERING CONTROL

An optional Lexus-first Steer-by-Wire system and yoke-like advanced steering control create an enhanced communicative relationship between human and machine. Steer-by-Wire enables the electronic exchange of steering and road surface information between the yoke-like advanced steering control and tyres via electrical signals, not mechanical linkage.

DISCOVER  
MORE ABOUT  
STEER-BY-WIRE:





### THE NEW SOUND OF LEXUS

Under the Lexus Electrified vision, Lexus engineers pursue the creation of expressive in-cabin sounds that convey the exhilaration of driving. The RZ 450e establishes a dialogue between car and driver by matching sound frequencies to the vehicle's speed and sound levels during dynamic actions such as acceleration. The tone and acoustic transmission characteristics of the drivetrain's sounds were tuned to ensure its pleasantness.



**OVERALL LENGTH**  
4805mm

**OVERALL WIDTH**  
1895mm

**OVERALL HEIGHT**  
1635mm

**WHEELBASE**  
2850mm

**CRUISE RANGE**  
Approx 450km\*

**BATTERY CAPACITY**  
71.4kWh

**OUTPUT**  
Front 150kW  
Rear 80kW

\* J-WLTC mode development target values

#### INTRODUCING eAXLE

The newly developed high-output electronic axle (eAxle) fully integrates the motor, transaxle, and inverter within a compact unit to benefit cruise range, spacious interior, and excellent design.

The front eAxle is packaged with a short front/rear system layout, while the rear eAxle features a low-profile layout contributing to increased interior and cargo space.



#### DIRECT4 ALL-WHEEL DRIVE

DIRECT4, the core technology of Lexus Electrified, is an all-wheel drive system that achieves quick and linear response according to driver input. The DIRECT4 drive force distribution control uses vehicle wheel speed, acceleration, and steering angle sensor information to control front-to-rear drive force ratio distribution between 100:0 and 0:100.

This contributes to improved start-up acceleration, handling stability, and low power consumption.





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Energy consumption and driving range figures are based on tests under controlled conditions. Actual results will vary depending on factors such as vehicle usage and operating conditions. You should not expect that the exact energy consumption and driving range figures will be achieved in real world driving conditions. In order to provide you the latest model information, the specification listed is on a provisional basis and therefore may be subject to change. Please contact your local Lexus Dealership for more information.

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