

Roewe D7 EV 2023 510RearDriveExcellenceversion Specifications

Basic Information

Parameter	Roewe D7 EV 2023 510RearDriveExcellenceversion
Official Price	RMB 149,800
Manufacturer	SAIC Motor
Class	Mid-sizeVehicle
Energy Type	Pure Electric
Market Time	2023.11
Electric Description	Pure Electric 197 hp
CLTC Range	510
CLTC Pure Electric Range (km)	510
Charging Time	Fast charge 35 min
Fast Charging Window (%)	30-80
Maximum Power (kW)	145(197Ps)
Maximum Torque (N-m)	310
Transmission Description	EV single-speed transmission
Length x Width x Height (mm)	4890x1872x1510
Body Structure	4-door 5-seat sedan
Top Speed (km/h)	170
Official 0-100 km/h Acceleration (s)	7.3
Energy Consumption (kWh/100km)	12.9
Equivalent Fuel Consumption (L/100km)	1.46
Vehicle Warranty	6 years or 150,000 km
Estimated Maintenance Cost over 60,000 km	RMB 714

Body

Parameter	Roewe D7 EV 2023 510RearDriveExcellenceversion
Length (mm)	4890
Width (mm)	1872
Height (mm)	1510
Wheelbase (mm)	2810
Front Track (mm)	1600
Rear Track (mm)	1600
Minimum Ground Clearance (mm)	-
Body Structure	sedan
Number of Doors	4
Door Opening Type	Hinged doors
Seats	5
Curb Weight (kg)	1732
Gross Weight (kg)	2172
FrontCargo Volume(L)	101
Cargo Volume (L)	376
Minimum Turning Radius (m)	5.81m
Drag Coefficient (Cd)	0.23

Electric Motor

Parameter	Roewe D7 EV 2023 510RearDriveExcellenceversion
Electric Description	Pure Electric 197 hp
Motor Type	Permanent magnet synchronous
Total Motor Power	145
Total Motor Horsepower (Ps)	197
Total Motor Torque	310
Rear Motor Max Power (kW)	145
Rear Motor Max Torque (N·m)	310
Drive Motor Count	Single motor
Motor Layout	Rear-mounted

Battery / Charging

Parameter	Roewe D7 EV 2023 510RearDriveExcellenceversion
Battery Type	LFP Battery
Cell Brand	CATL
Battery Warranty	Lifetime warranty for the first owner (exclusions subject to official terms)
Battery Capacity	59.2
Battery Energy Density (Wh/kg)	-
Battery Charging Rate	-
Battery Charging (Summary)	● Standard: Fast charge 35 min; ● Standard: Fast charging port
Charging Time	Fast charge 35 min
Battery Charging - Fast Charging Port	● Standard: Fast charging port
Fast Charging Port Position (Summary)	left fuelboxposition
Left Fuel Tank Position	left fuelboxposition
Slow Charging Port Position (Summary)	left fuelboxposition
Left Fuel Tank Position	left fuelboxposition
Battery Heating System	Standard
Battery Cooling System	Liquid cooling
One-pedal Mode	-
VTOL Mobile Power Station	Standard
VTOL Maximum External Discharge Power	-
VTOV Maximum External Discharge Power	-

Transmission

Parameter	Roewe D7 EV 2023 510RearDriveExcellenceversion
Transmission Description	EV single-speed transmission
Number of Gears	1
Transmission Type	Fixed Gear Ratio Transmission

Chassis / Steering

Parameter	Roewe D7 EV 2023 510RearDriveExcellenceversion
Drive Type	Rear-mounted RWD
Front Suspension	MacPherson independent suspension
Rear Suspension	Multi-link independent suspension
Steering Type	Electric power steering
Vehicle Body Structure	Unibody

Wheels / Brakes

Parameter	Roewe D7 EV 2023 510RearDriveExcellenceversion
Front Brake Type	Ventilated disc
Rear Brake Type	Ventilated disc
Parking Brake Type	Electronic parking brake

Parameter	Roewe D7 EV 2023 510RearDriveExcellenceversion
Front Tire Size	225/50 R18
Rear Tire Size	225/50 R18
Spare Tire Specification	-
Active Safety	-
ABS	Standard
Brake-force Distribution (EBD/CBC)	Standard
Brake Assist (EBA/BA)	Standard
Traction Control (TCS/ASR)	Standard
Body Stability System (ESP/DSC)	Standard
Active Safety Warning System	-
Active Safety Warning System - Lane Departure Warning	-
Active Safety Warning System - Forward Collision Warning	-
Automatic Emergency Braking	-
Blind Spot Assist	-
Lane Keeping Assist	-
Lane Centering Assist	-
Driver Fatigue Warning	-
Active DMS Fatigue Detection	-
Cabin Vital-sign Detection	-
Traffic Sign Recognition	-
Traffic Light Recognition	-
Night Vision System	-
Passive Safety	-
Front Airbags (Summary)	● Standard: Driver seat; ● Standard: Passenger seat
Front Airbags - Driver	● Standard: Driver seat
Front Airbags - Front Passenger	● Standard: Passenger seat
Side Airbags (Summary)	● Standard: Front row
Side Airbags - Front Row	● Standard: Front row
Side Curtain Airbags	Standard
Front Knee Airbags	-
Center Airbag	-
Seat Belt Reminder	Standard
TPMS	Tire pressure display
ISOFIX	Standard
Passive Pedestrian Protection	-
Run-flat Tire	-
Driver Assistance / Control	-
Parking Radar (Summary)	● Standard: Rear
Parking Radar - Rear	● Standard: Rear
Front Vehicle Departure Reminder	-
Driving Assistance Camera (Summary)	● Standard: Rear view camera; ● Standard: 360-degree panoramic camera; ● Standard: Transparent view
Driving Assistance Camera - Reverse Camera	● Standard: Rear view camera
Driving Assistance Camera - 360° Panoramic Camera	● Standard: 360-degree panoramic camera
Driving Assistance Camera - Transparent Chassis View	● Standard: Transparent view
Cruise System (Summary)	● Standard: Cruise control
Cruise System - Option	● Standard: Cruise control
Cruise System - Adaptive Cruise Control	-
Cruise System - Full-speed Adaptive Cruise Control	-
Automatic Lane Change Assist	-
Automatic Ramp Exit / Entry	-
Navigation Assisted Driving	-

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ADAS Level	-
Automatic Parking	-
Reverse Path Tracking	-
Memory Parking	-
Auto Hold	Standard
Hill Start Assist (HAC)	Standard
Hill Descent Control (HDC)	Standard
Variable Suspension	-
Air Suspension	-
Air Suspension Type	-
Electromagnetic Suspension	-
Variable Steering Ratio	-
Front Axle Limited-slip Type	-
Rear Axle Limited-slip Type	-
Center Differential Lock	-
Active Rear Steering	-
Drive Mode Selection (Summary)	● Standard: Sport; ● Standard: ECO/Economy; ● Standard: Standard Comfort
Drive Mode Selection - Sport	● Standard: Sport
Drive Mode Selection - ECO	● Standard: ECO/Economy
Drive Mode Selection - Standard / Comfort	● Standard: Standard Comfort
Brake Energy Recovery	Standard
Low-speed Warning Sound	Standard
Interior Features	-
Sunroof Type	Single sunroof
Smart Dimming Roof	-
Roof Rack	-
Sport Appearance Package	-
Power Spoiler	-
Active Grille Shutters	Standard
Alloy Wheels	Standard
Frameless Doors	-
Hidden Door Handles	Standard
Tow Hook	-
Exterior Features	-
Steering Wheel Material (Summary)	● Standard: Leather
Steering Wheel Material - Option	● Standard: Leather
Steering Wheel Adjustment	Tilt and telescopic
Power Steering Wheel Adjustment	-
Steering Wheel Functions (Summary)	● Standard: Multifunction controls
Steering Wheel Functions - Multi-function Control	● Standard: Multifunction controls
Gear Selector Type (Summary)	● Standard: Electronic column shifter
Gear Selector Type - Option	● Standard: Electronic column shifter
LCD Cluster Style	Full LCD
LCD Cluster Size (in) (Summary)	● Standard: 10.25
10.25	● Standard: 10.25
LCD Cluster Size (in) - 12.3	-
Interior Features	-
Soft-close Doors	-
Power Tailgate	-
Hands-free Tailgate	-
Tailgate Position Memory	-
Central Locking	Standard
Remote Key Type (Summary)	● Standard: Smart remote key

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Remote Key Type - Smart Remote Key	● Standard: Smart remote key
Keyless Entry	Front row
Keyless Start	Standard
Remote Start	Standard
Remote Vehicle Move	-
Vehicle Summon	-
Head-up Display (HUD)	-
Built-in Driving Recorder	-
Active Noise Cancellation	-
Wireless Phone Charging	-
AC Power Outlet	-
Cargo 12V Power Outlet	-
Seat Features	-
Seat Material	Genuine leather
Sport Seats	-
Second-row Independent Seats	-
Power Seat Adjustment (Summary)	● Standard: Driver seat
Power Seat Adjustment - Driver	● Standard: Driver seat
Seat Power Adjustment - Front Passenger	-
Sunken Rear Seat Folding	-
Driver Seat Main Adjustments (Summary)	● Standard: Fore-aft adjustment; ● Standard: Backrest angle; ● Standard: Height adjustment
Driver Seat Main Adjustments - Fore / Aft	● Standard: Fore-aft adjustment
Driver Seat Main Adjustments - Backrest Angle	● Standard: Backrest angle
Driver Seat Main Adjustments - Height Adjustment	● Standard: Height adjustment
Driver Seat Fine Adjustments (Summary)	● Standard: Headrest
Driver Seat Fine Adjustments - Headrest	● Standard: Headrest
Lumbar	-
Front Passenger Seat Main Adjustments (Summary)	● Standard: Fore-aft adjustment; ● Standard: Backrest angle
Front Passenger Seat Main Adjustments - Fore / Aft	● Standard: Fore-aft adjustment
Front Passenger Seat Main Adjustments - Backrest Angle	● Standard: Backrest angle
Front Passenger Seat Fine Adjustments (Summary)	● Standard: Headrest
Front Passenger Seat Fine Adjustments - Headrest	● Standard: Headrest
Second-row Seat Main Adjustments (Summary)	-
Second-row Seat Fine Adjustments	-
Front Seat Functions	-
Front Seat Functions - Option	-
Ventilation(driver seat)	-
Memory(driver seat)	-
Second-row Seat Functions	-
Boss Key	-
Front / Rear Armrests (Summary)	● Standard: Front row; ● Standard: Rear row
Front / Rear Armrests - Front Row	● Standard: Front row
Rear row	● Standard: Rear row
Rear Cup Holder	Standard
Heated / Cooled Cup Holder	-
Front Seats Flattened	Standard
Rear Seat Folding Ratio	40:60
Second-row Tray Table	-
Comfort / Anti-theft	-
Center Screen Size (in)	12.3
Center Screen Material	-
Satellite Navigation	Standard

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AR Navigation	-
Navigation Traffic Display	Standard
MAP Brand (Summary)	● Standard: Amap
Amap	● Standard: Amap
Roadside Assistance	-
Bluetooth / Car Phone	Standard
Phone Mirroring (Summary)	-
Connected Car	Standard
Mobile Network (Summary)	● Standard: 4G
Mobile Network - 4G	● Standard: 4G
OTA Upgrade	Standard
Face Recognition	-
Fingerprint Recognition	-
Voiceprint Recognition	-
Emotion Recognition	-
Voice Recognition Control	Standard
Wake-word-free Voice Control	Standard
Voice Wake-up by Zone (Summary)	● Standard: Dual-zone voice recognition
Voice Wake-up by Zone - Dual-zone	● Standard: Dual-zone voice recognition
Continuous Voice Recognition	Standard
Visible-to-speak Control	-
Voice Assistant Wake-up Phrase	HelloZebra
Gesture Control	-
Wi-Fi Hotspot	Standard
Smart Connectivity	-
Multi-finger Screen Control	-
App Store	-
Media Interface (Summary)	● Standard: USB/Type-C
Media Interface - USB/Type-C	● Standard: USB/Type-C
USB/Type-C Port Count (Summary)	● Standard: Front row: 3; ● Standard: Rear row: 1
USB/Type-C Port Count - 2 Front	● Standard: Front row: 3
USB/Type-C Port Count - 1 Rear	● Standard: Rear row: 1
USB/Type-C Max Charging Power	-
In-car TV	-
Rear LCD Screen	-
Simulated Engine Sound	-
Audio Brand	-
Number of Speakers	10
Rear Multimedia Controls	-
Lighting	-
Low Beam	LED
High Beam	LED
Daytime Running Lights	Standard
Adaptive High / Low Beam	-
Automatic Headlights	Standard
Cornering Lights	-
Front Fog Lights	-
Adaptive Front-lighting System (AFS)	-
Headlight Height Adjustment	Standard
Headlight Washers	-
Ambient Lighting	Single-color
Active Ambient Lighting	-
Special Lighting Functions	-

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Lighting Projection Technology	-
Headlight Delay-off	Standard
Headlamp Rain / Fog Mode	-
Audio / Entertainment	-
Power Windows (Summary)	● Standard: Front row; ● Standard: Rear row
Power Windows - Front Row	● Standard: Front row
Power Windows - Option	● Standard: Rear row
One-touch Windows	All windows
Anti-pinch Windows	Standard
Exterior Mirror Functions (Summary)	● Standard: Power adjustment; ● Standard: Heating; ● Standard: Power folding; ● Standard: Auto-fold on lock
Exterior Mirror Functions - Option	● Standard: Power adjustment
Exterior Mirror Functions - Heating	● Standard: Heating
Exterior Mirror Functions - Power Folding	● Standard: Power folding
Memory	-
ReverseAutomatictilt-down	-
Exterior Mirror Functions - Auto Fold on Lock	● Standard: Auto-fold on lock
Interior Mirror Functions	-
Vanity Mirror (Summary)	● Standard: Driver seat+with lighting; ● Standard: Passenger seat+with lighting
Vanity Mirror - Option	● Standard: Driver seat+with lighting
Vanity Mirror - Option	● Standard: Passenger seat+with lighting
Rear Privacy Glass	-
Interior Sunshade	-
Rain-sensing Wipers	-
Rear Wiper	-
Multi-layer Acoustic Glass	-
Heated Windshield	-
Heated Washer Nozzles	-
Audio / Entertainment	-
A/C Control Type	Automatic
Rear Independent A/C	-
Rear Air Vents	Standard
Temperature Zone Control	-
In-car Air Purifier	-
Cabin PM2.5 Filter	-
Negative-ion Generator	-
Fragrance System	-
AQS Air Quality Management	-
On-board Refrigerator	-
Refrigerator Functions	-

Smart Features

Parameter	Roewe D7 EV 2023 510RearDriveExcellenceversion
CAR Intelligent System (Summary)	● Standard: ZebraSmart Drive
ZebraSmart Drive	● Standard: ZebraSmart Drive
Mobile App Remote Control (Summary)	● Standard: Vehicle monitoring; ● Standard: Remote control; ● Standard: Charging management
Mobile App Remote Control - Vehicle Monitoring	● Standard: Vehicle monitoring
Mobile App Remote Control	● Standard: Remote control
Mobile App Remote Control - Charging Management	● Standard: Charging management
Heat Pump System	-
Number of Exterior Cameras	4
Exterior Camera Resolution	-

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Interior Camera Resolution	-
Number of Ultrasonic Radars	4
Sub-meter High-precision Positioning	-
High-precision Map	-
Sentinel Mode	-
V2X Communication	-
Optional Package	-
Custom Options	Optional exterior, interior, wheels, brakes