

JACCOO

1200 km **6.6** L/100km **525** Nm **90** km Pure EV Driving



J7 PHEV

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Super — — Hybrid System



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BEST NEW ENERGY VEHICLE SOLUTION

SUPER HYBRID SYSTEM

Superior pure electric range, ranking 1st among the same class

Superior endurance, ranking 1st among the same class

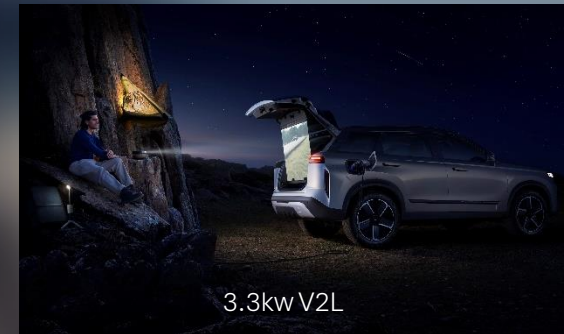
Superior performance, ranking 1st among the same class

Superior energy consumption, ranking 1st among the same class

SUPER HEV+EV

SUPERIOR LIFESTYLE

Lite Off Road Base Station



3.3kw V2L



Camping Mode

J7 PHEV

In October 2024, the Jaecoo J7 PHEV embarked on an extraordinary journey—a thrilling ultra-long-range driving marathon spanning seven countries, including Malaysia.

- 🌍 **Countries:** Malaysia, Italy, Mexico, Saudi Arabia, Spain, Turkey, and the United Kingdom
- 🚗 **Route:** From the vibrant streets of Guangzhou to the innovation hub of Wuhu, China
- 📏 **Distance:** Over 1,300 km



J7 PHEV

Result:

The J7 PHEV has surpassed all expectations and exceeded every claim

Longest driving range without charging and refueling:

1200km → **1353km**

Longest pure electric range:

90km → **125.2km**

Lowest fuel consumption:

6L/100km → **3.3L/100km**

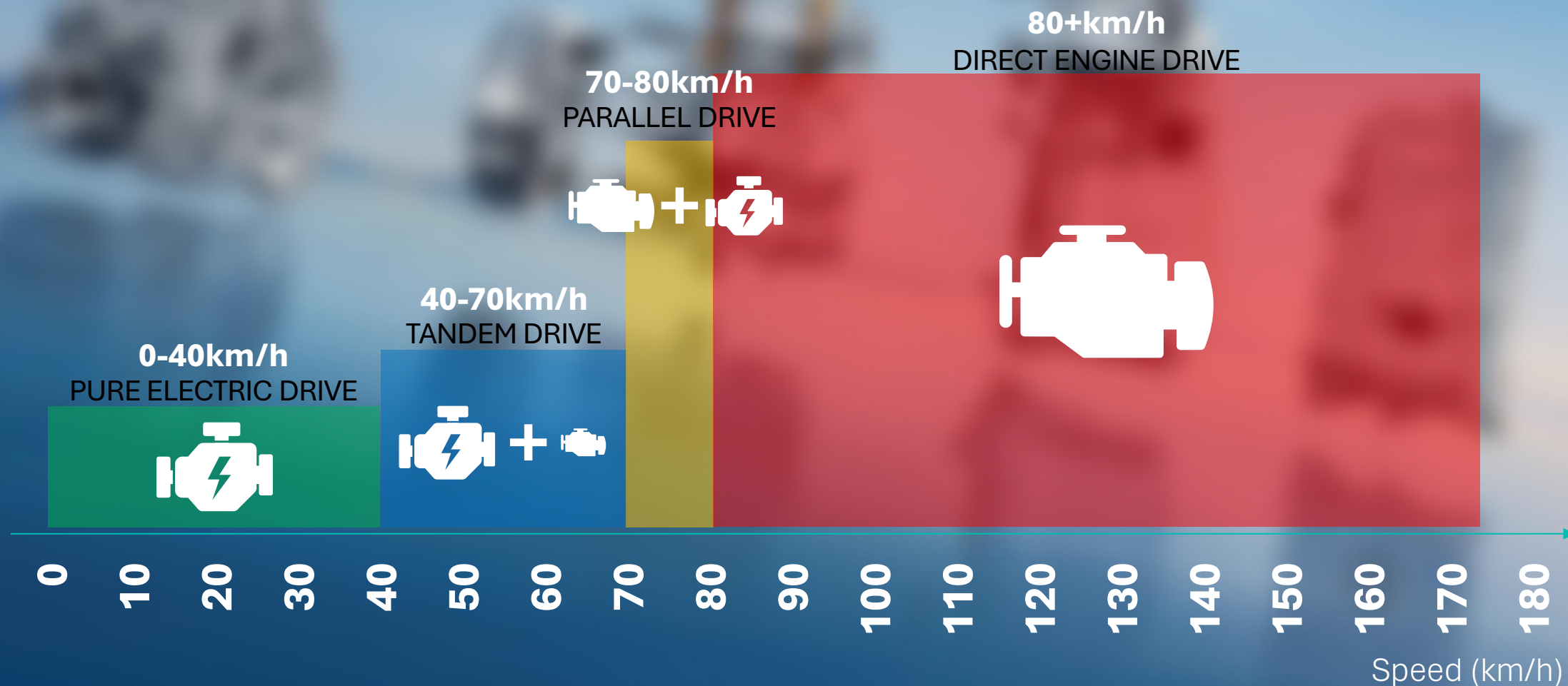


Super
— Hybrid System

Super Hybrid System

HEV MODE (SOC < 25%)

The vehicle primarily relies on electricity to seamlessly switch between driving modes, delivering a smooth experience comparable to that of a fully electric vehicle.



Super — — Hybrid System

Super Hybrid System Core Components

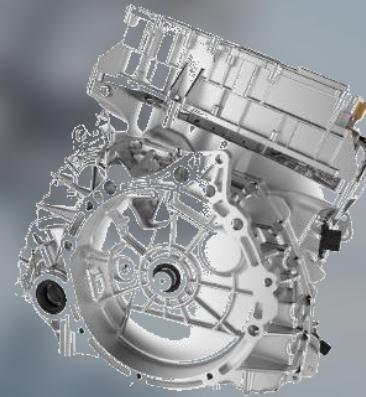
5th Generation 1.5TGDI Dedicated Hybrid Engine



High performance, strong power and low fuel consumption

- Deep Miller cycle
- Intelligent thermo management (i-HTM)
- Intelligent thermal efficiency (i-HEC)
- 105kW / 215Nm

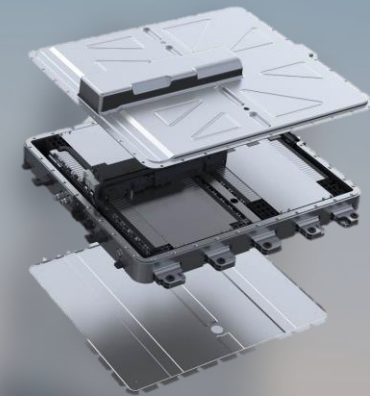
Continuously Variable Dedicated Hybrid Transmission



Highly efficient output, savings of energy and fuel, smoothness and comfort

- 98.5% maximum EV efficiency
- 150W / 310Nm / 50kW (engine output)

High-performance Dedicated Hybrid Battery Pack



High energy density, high safety protection level

- 18.3 kWh battery capacity
- Higher endurance mileage with pure electricity
- 5 safety protection standards

Super — — Hybrid System

6 Core Technologies

44.5%

Thermal Efficiency

Deep Miller Cycle

Improved thermal efficiency by 1.5%

i-HEC

Improve thermal efficiency by 0.5%

i-HTM

Improved thermal efficiency by 3%



6.0L

WLTP Fuel Consumption

High Efficiency Turbocharger

Reduce fuel consumption by 0.5 ~ 1%

i-LS

Reduce fuel consumption by 1 ~ 2%

HiDS

Reduce fuel consumption by 0.5 ~ 1%

Super Hybrid System

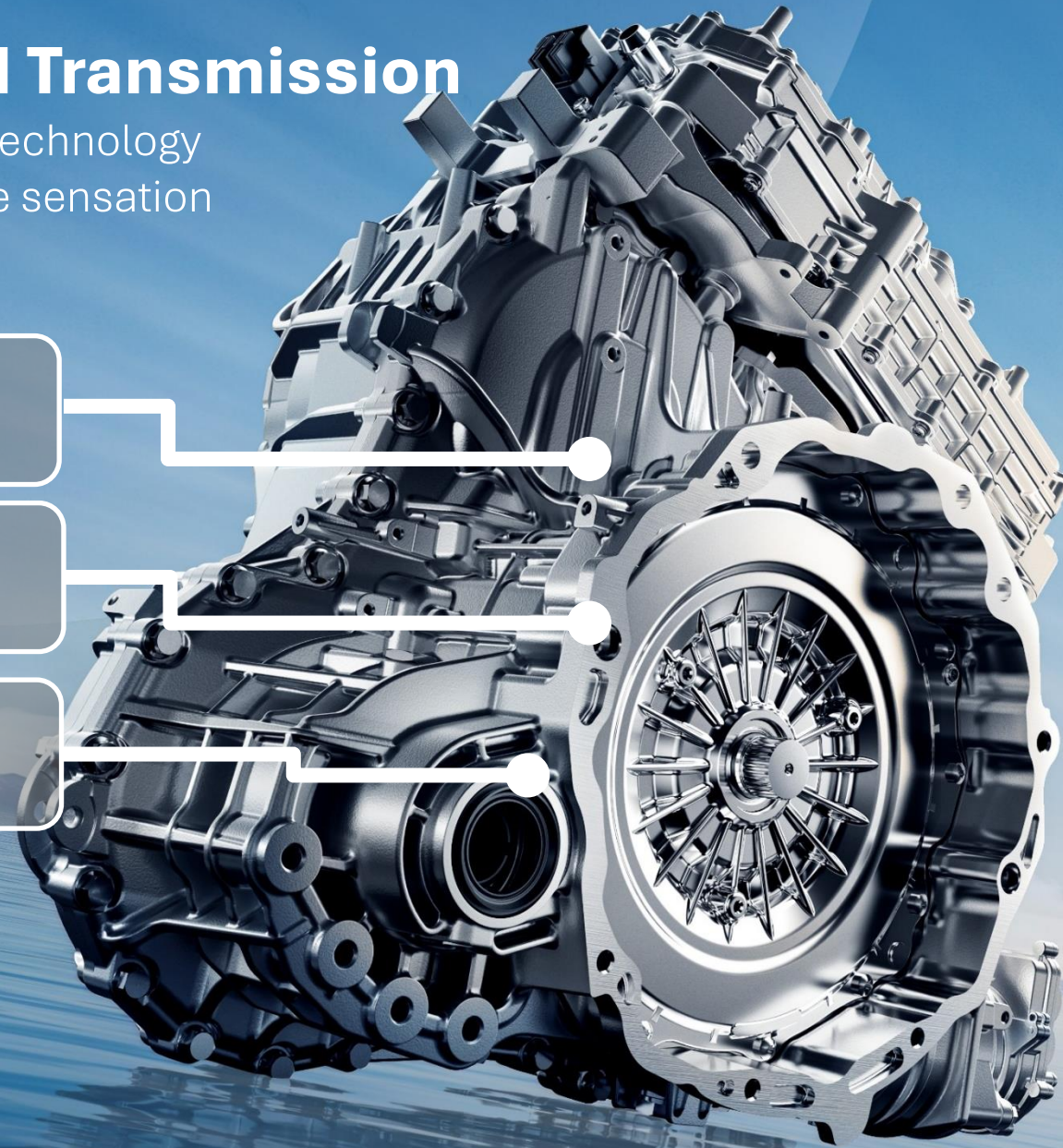
1 Dedicated Hybrid Transmission

Experience the best of hybrid technology with a gearbox that delivers the sensation of pure electric driving

Four core dual electronic control MCU

Two high efficiency motors

IGBT
Double-sided water cooling



Super — Hybrid System

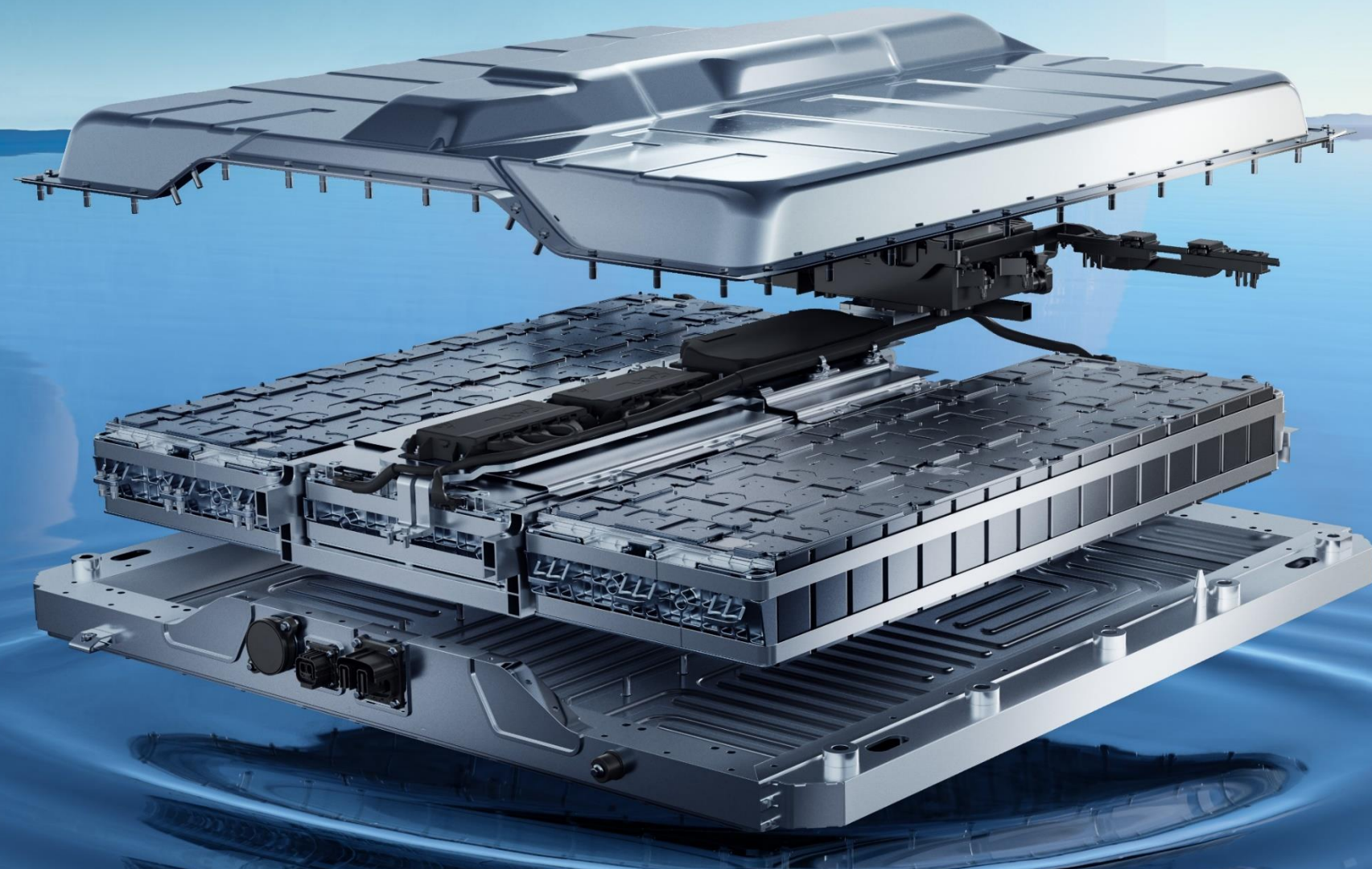
Specialized Hybrid Battery & Battery Management System

**High-Capacity Lithium-Ion
Battery**
Capacity: 18.3kWh

Fast Charging Capability

Thermal Management System

Durability and Safety



Super — — Hybrid System

Multiple Energy Replenishment Modes

1st on a PHEV

Slow charging via 230V
3-pin plug home socket



0 – 100% in 8.5 hours at
3.3kW (240V)

AC Charging



30 – 80% in 3 hours at
6.6kW (max)

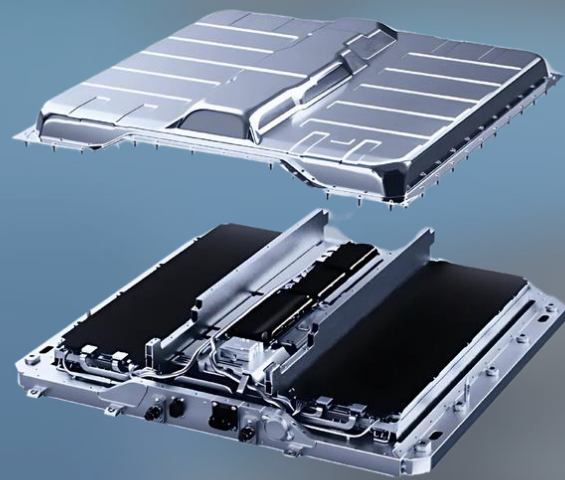
DC Charging (Fast)



30 – 80% in 20 mins at
40kW (max)

**The J7 PHEV will automatically charge the battery when the State of Charge (SOC) drops below 20%, utilizing regenerative braking and the engine, as necessary.*

Full Cycle Safety



Impact Resistant

- Advanced Battery Armor with an internal shield and an external iron-clad structure
 - Energy-absorbing buffer layer
 - Aluminum alloy frame
 - 780 MPa high-strength steel skid plate



Weather Resistant

- Designed to perform reliably in extreme temperatures, from -35°C to 60°C.
- Remains fire-resistant even under extreme conditions like punctures or compression.
- Highest industry standard IP68 rating, impervious to heavy rain and flooding.

SPECIFICATION	JAECOO J7 PHEV	SPECIFICATION	JAECOO J7 PHEV
	2WD PHEV		2WD PHEV
POWERTRAIN	1.5L, 4-Cylinder, Direct Injection, Turbocharged	EXTERIOR	
Output	105 kW ,215 Nm	Headlamp + Tail Lamp	LED w/ Follow Me Home, AWD, LED Fog Lamp & Welcome Lamp
ELECTRIC MOTOR		Tailgate	Powered
Output	150 kW, 310 Nm	INTERIOR	
COMBINED OUTPUT	255 kW, 525 Nm	Seat	
Battery Capacity (kWh)	18.3 kWh	Driver	Artificial Leather with Ventilation & Heated, 6-way & Memory Seat
Electric Range (NEDC) KM	106 KM	Passenger	Artificial Leather with Ventilation & Heated, 4-way
Total Range (NEDC) KM	1,300 KM	Rear	60/40 Split Folding
Vehicle to load (kW)	3.3 kW	Steering	Manual Tilt & Telescopic with Steering Wheel Control
Fuel Consumption <small>(battery fully depleted)</small>	5.99 L/100km	Sunroof	Panoramic
0-100KM/h	8.5 s	Keyless Entry + Push Start	Standard
Fuel Tank Capacity	60 L	Air-Conditioning	Front Dual Zone with Rear Air vent
Drive modes	3 (ECO, Standard, Sports)	Panoramic View Camera	540°
Wading Depth	450 mm	Head-Up Display	•
Overall Dimension	L: 4,500 mm, W: 1,865 mm H: 1,670	Cluster + Infotainment	10.25” + 14.8”
Wheelbase	2,672 mm	Apple CarPlay & Android Auto	Wireless
Boot Space	500/1,265 L	USB Port	FR: 2, RR: 2
CHASSIS		Wireless Charging	•
Suspension	MacPherson Strut + Multi-link	Speakers	Sony – 8 speakers
Brake	Ventilated Disc w/ Red Calliper + Solid Disc	DVR	•
Tires	235/50 R19	SAFETY	8 Airbags, ESP, ABS, EBD, TPMS
Wading Depth	450 mm	Advanced Safety	ADAS - Level 2.5

Energy Flow Condition	Description
Pure Electric Drive	Only the motor drives the vehicle; the engine remains inactive.
Extended Range Mode	The engine charges the power battery while the motor drives the vehicle.
Parallel Drive	Both the engine and motor drive the vehicle simultaneously.
Engine Direct Drive	The engine directly powers the vehicle.
Generating Electricity While Driving	The engine charges the high-voltage battery while driving the vehicle.
Generating Electricity While Parking	The engine charges the high-voltage battery while the vehicle is stationary.
Regenerative Braking	The motor recovers braking energy and charges the high-voltage

Power Saving Mode	Description	Common Usage Scenarios
Initial Mode	Maximizes battery discharge to achieve the maximum pure electric driving range.	Ideal for users with daily driving routines and access to regular charging.
Smart Power Saving Mode	Prioritizes fuel economy by intelligently selecting the best charging time while reserving energy for pure electric or high-power driving.	Suitable for most driving scenarios; recommended for general use.
Forced Power Saving Mode	Prioritizes maintaining battery levels as close as possible to the target level, reserving energy for pure electric or high-power driving. Note: Fuel economy may decrease in this mode.	Best for camping or scenarios requiring external discharging.