

Parameter summary table

Table 1. Electric drive system

Items	Specifications
Motor type	Three-phase permanent magnet synchronous motor
Rated power	60Kw
Peak power	150Kw
Rated torque	140Nm
Peak torque	310Nm
Peak speed	16000rpm
Drive form	Front-mounted front drive
Insulation class	H
Motor cooling mode	Water-cooled
Number of phases	Three-phase
Protection level	IP67

Table 2. Battery and charging system

Items	Specifications
Battery category	Ternary lithium ion battery
Battery type	Square aluminum shell
rated voltage	351V
Rated capacity (63 kWh)	174Ah
Rated capacity (53 kWh)	150Ah
Voltage range	268.8~417.6V
Requirements about quick charging	SOC is charged from 0% to 80% within 48 minutes
Self-discharging rate	≤3%
Cooling method	Liquid cooling
Dust-proof and water-proof	IP67
Temperature of the working environment	-30 ~ +55°C
Humidity of the working environment	5% ~ 100%
Storage temperature	-10 ~ +40°C
Weight	365Kg
Working altitude	0~4000 meters

Table 3. Electric drive cooling system

Items	Specifications
Coolant model	BASF 6580 freezing point -35°C
Coolant capacity-full system	12L
Coolant capacity-motor & motor heating system	6.1±0.1L
Expansion kettle cover pressure relief opening pressure	100KP (relative pressure)

Table 4. Battery pack thermal management

Items	Specifications
Coolant model	BASF 6580 freezing point -35°C
Coolant capacity-full system	12L
Coolant capacity-high voltage battery pack	5.5L±0.1L
Expansion kettle cover pressure relief opening pressure	100KP (relative pressure)

Table 5. Heating, Ventilation, and Air Conditioning System

Items	Specifications
Refrigerant type (Chinese market)	R134a
Refrigerant type (European market)	R1234yf
Refrigerant filling quantity (Chinese market)	675±20g
Refrigerant filling quantity (European market)	645±20g
Refrigerant filling quantity (replace condenser/evaporator)	20ml
Compressor oil type	Haisongyuan AE10
Compressor oil capacity	150ml

Tyres and wheels

Table 6. Type I

Wheel and tire specification sheet	
Tire model	215/65R17 99V
Wheel material	Aluminum
Front tire pressure-no load	230 kpa (2.3 bar)
Front tire pressure-full load	260 kpa (2.6 bar)
Rear tire pressure-no load	230 kpa (2.3 bar)
Rear tire pressure-full load	260 kpa (2.6 bar)

Type II

Wheel and tire specification sheet	
Tire model	235/50R19 99V
Wheel material	Aluminum
Front tire pressure-no load	240 kpa (2.4 bar)
Front tire pressure-full load	260 kpa (2.6 bar)
Rear tire pressure-no load	240 kpa (2.4 bar)
Rear tire pressure-full load	260 kpa (2.6 bar)

Table 7. Four-wheel alignment parameters

Front wheel	
Camber angle	- 0°16'±0°30'
Difference of left and right camber angles	≤30'
Toe-in (single side)	0°05'±0°05'
Difference of left and right toe-in	≤6'
Inclination angle of kingpin	13°24'±0°45'
Cater angle of kingpin	6°48'±0°45'

Rear wheel	
Camber angle	- 1°20'±0°30'
Difference of left and right camber angles	≤30'
Toe-in (single side)	0°05'±0°05'

Rear wheel

Difference of left and right toe-in	≤6'
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Table 8. Front suspension replacement parts alignment sheet

Replaced front suspension parts	Wheel alignment needed	
	Yes	No
Front swing arm	√	
Front steering knuckle	√	
Steering track rod assembly	√	
Short steering box	√	
Front sub-chassisframe	√	
Front damper assembly	√	
Assembly-front stabilizer bar	√	
Front swing arm ball pin	√	
Linkage front stabilizer bar connecting rod		√

Table 9. Rear suspension replacement parts alignment sheet

Replaced rear suspension parts	Wheel alignment needed	
	Yes	No
Rear lower control arm	√	
Rear steering knuckle	√	
Rear upper control arm	√	
Rear toe-in arm	√	
Rear sub-chassis frame	√	
Assembly-rear damper		√
Assembly-rear stabilizer bar		√
Rear longitudinal arm	√	
Rear stabilizer bar linkage		√
Rear coil spring	√	

Table 10. Brake system specification sheet

Brake disc specification sheet	
Front brake disc	
Dimensions	314±0.25mm
Thickness of new brake disc	30±0.1mm
Wear limit	Perform replacement when wear on of one side exceeds 1mm
Rear brake disc	
Dimensions	314±0.25mm
Thickness of new brake disc	12±0.1mm
Wear limit	Perform replacement when wear on of one side exceeds 1mm

Friction disc specification sheet	
Front friction disc	
Thickness of new friction disc	11mm
Wear limit	Perform replacement when friction disc thickness (excluding friction disc back panel) is 3mm.
Rear friction disc	

Friction disc specification sheet

Thickness of new friction disc	11mm
Wear limit	Perform replacement when friction disc thickness (excluding friction disc back panel) is 3mm.

Brake fluid specification sheet

Brake fluid model	DOT4
Filling volume for single vehicle	1.2L

Table 11. Specification on clearance adjustment of headlamp assembly

Items	Clearance (mm)	Surface misalignment (mm)
Headlamp assembly to front bumper	1.5±1.0	-0.65~-1.5 / -1.5± 1.0
Headlamp assembly to front cover	4.0~6.0±1.0 / 6.0±1.0	-
Headlamp assembly to panel wing	1.5~1.0±0.75 / 1.5±0.75	-

Table 12. Specification on clearance adjustment of rear tail lamp assembly

Items	Clearance (mm)	Surface misalignment (mm)
Tail lamp I to D - pillar trim panel	1.5±1.0	1.8~0±1.0
Tail lamp I to rear bumper	1.5±0.75	0.6~1.2 ±1.0
Tail lamp I to tail gate glass	4.0±1.0	-
Tail lamp II to tail gate glass	4.0~3.0±1.0	0~ -1.0±1.0
Tail lamp I to tail lamp II	1.5±0.75	-

Table 13. Specification on clearance adjustment of rear fog lamp assembly

Items	Clearance (mm)	Surface misalignment (mm)
Rear bumper to rear fog lamp	1.0±0.5	-

Table 14. Low voltage battery

Items	Parameter
Battery type	Lead-acid battery
Battery label parameters	12V 45Ah