

**QINGDAO QHCY INTERNATIONAL TRADING CO., LTD.**

Web: cartradinghub.com Tel: 86-15176650760

E-mail: ctt15588640503@gmail.com / ctt1:15176650760@gmail.com

AION S 2023 configuration table

	AION S 2023 Mei 580 lithium iron phosphate	AION S 2023 model 530 48.67kWh lithium iron phosphate	AION S 2023 model 580 55.5kWh lithium iron phosphate	AION S 2023 model 580 55.2kWh lithium iron phosphate
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Basic parameters

Manufacturer	Aian	Aian	Aian	Aian
level	compact car	compact car	compact car	compact car
Energy type	pure electric	pure electric	pure electric	pure electric
time to market	2023.04	2023.09	2023.09	2023.09
NEDC pure electric cruising range (km)	480	420	480	480
CLTC pure electric cruising range (km)	-	-	-	-
Fast charging time (hours)	-	-	-	-
Slow charging time (hours)	-	-	-	-
Fast charging percentage	-	-	-	-
Maximum power (kW)	100	100	100	100
Maximum torque (N • m)	225	225	225	225
Motor (Ps)	136	136	136	136
Length*width*height (mm)	4768*1880*1545	4805*1880*1545	4805*1880*1545	4805*1880*1545
Body structure	4-door, 5-seat sedan	4-door, 5-seat sedan	4-door, 5-seat sedan	4-door, 5-seat sedan
Maximum speed (km/h)	130	130	130	130
Official 0-100km/h acceleration (s)	-	-	-	-
Official 0-50km/h acceleration (s)	-	-	-	-
Electric energy equivalent fuel consumption (L/100km)	1.41	-	-	-
Vehicle warranty	Four years or 150,000 kilometers	Four years or 150,000 kilometers	Four years or 150,000 kilometers	Four years or 150,000 kilometers
First owner warranty policy	-	-	-	-

Body

Length (mm)	4768	4805	4805	4805
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Width(mm)	1880	1880	1880	1880
Height(mm)	1545	1545	1545	1545
Wheelbase(mm)	2750	2750	2750	2750
Front wheelbase (mm)	1600	1600	1600	1600
Rear wheelbase (mm)	1602	1602	1602	1602
Minimum ground clearance with full load (mm)	-	-	-	-
Approach angle (°)	13	13	13	13
Departure angle (°)	14	14	14	14
Maximum grade(%)	30	30	30	30
Maximum climbing angle (°)	16.7	16.7	16.7	16.7
Minimum turning radius (m)	5.65	5.56	5.56	5.56
Body structure	Sedan	Sedan	Sedan	Sedan
Car door opening method	swing door	swing door	swing door	swing door
Number of doors (number)	4	4	4	4
Number of seats (seats)	5	5	5	5
Trunk volume (L)	453	453	453	453
Drag coefficient (Cd)	-	-	-	-
Curb weight (kg)	1630	-	-	-
Maximum full load mass (kg)	2135	-	-	-
electric motor				
Motor type	Permanent magnet/synchr onous	Permanent magnet/synchr onous	Permanent magnet/synchr onous	Permanent magnet/synchr onous
Total motor power (kW)	100	100	100	100
Total motor power (Ps)	136	136	136	136
Total torque of motor (N • m)	225	225	225	225
Maximum power of front electric motor (kW)	100	100	100	100
Maximum torque of front electric motor (N • m)	225	225	225	225
Number of drive motors	single motor	single motor	single motor	single motor
Motor layout	prefix	prefix	prefix	prefix

Battery Type	Lithium iron phosphate battery	Lithium iron phosphate battery	Lithium iron phosphate battery	Lithium iron phosphate battery
Battery brand	China Innovation Aviation/Yiwei Lithium Energy	-	-	-
Battery cooling method	liquid cooling	-	-	-
Exchange battery	not support	-	-	-
NEDC pure electric cruising range (km)	480	420	480	480
CLTC pure electric cruising range (km)	-	-	-	-
Battery energy (kWh)	55.2	48.67	55.5	55.2
Battery energy density (Wh/kg)	-	-	-	-
Electricity consumption per 100 kilometers (kWh/100km)	12.5	12	12.5	12.5
Battery pack warranty	There is no limit on the age/mileage of the first car owner (the liability exemption clause shall be subject to the official)	-	-	-
Fast charging function	-	-	-	-
Fast charging time (hours)	-	-	-	-
Slow charging time (hours)	-	-	-	-
Fast charging capacity (%)	-	-	-	-
electric motor	100	100	100	100
gearbox				
Number of gears	1	1	1	1
Gearbox type	fixed ratio gearbox	fixed ratio gearbox	fixed ratio gearbox	fixed ratio gearbox
abbreviation	Electric vehicle single speed gearbox	Electric vehicle single speed gearbox	Electric vehicle single speed gearbox	Electric vehicle single speed gearbox

chassis steering				
Drive mode	Front wheel drive	Front wheel drive	Front wheel drive	Front wheel drive
four-wheel drive	–	–	–	–
Center differential structure	–	–	–	–
Front suspension type	MacPherson independent suspension	MacPherson independent suspension	MacPherson independent suspension	MacPherson independent suspension
rear suspension type	torsion beam non-independent suspension	torsion beam non-independent suspension	torsion beam non-independent suspension	torsion beam non-independent suspension
Assist type	electric assist	electric assist	electric assist	electric assist
Body structure	Load-bearing	Load-bearing	Load-bearing	Load-bearing
wheel brake				
Front brake type	ventilated disc	ventilated disc	ventilated disc	ventilated disc
rear brake type	disc type	disc type	disc type	disc type
Parking brake type	Electronic parking	Electronic parking	Electronic parking	Electronic parking
Front tire specifications	215/55 R17	215/55 R17	215/55 R17	215/55 R17
Rear tire specifications	215/55 R17	215/55 R17	215/55 R17	215/55 R17
Spare tire specifications	none	none	none	none
passive safety				
Main/passenger seat airbag	Main●Deputy●	Main●Deputy●	Main●Deputy●	Main●Deputy●
Front/rear side airbags	–	–	–	–
Front/rear head airbags (curtain airbags)	–	–	–	–
Tire pressure monitoring function	●Tire pressure display	●Tire pressure display	●Tire pressure display	●Tire pressure display
Run-flat tires	–	–	–	–
Seat belt not fastened reminder	●Front row	●Front row	●Front row	●Front row
ISOFIX child seat interface	●	●	●	●
ABS anti-lock	●	●	●	●
Braking force distribution (EBD/CBC, etc.)	●	●	●	●
Brake assist (EBA/BAS/BA, etc.)	●	●	●	●

Traction control (ASR/TCS/TRC, etc.)	●	●	●	●
Body stability control (ESC/ESP/DSC, etc.)	●	●	●	●
active safety				
Lane Departure Warning System	—	—	—	—
Active braking/active safety system	—	—	—	—
Fatigue driving tips	—	—	—	—
Low speed warning	●	●	●	●
roadside assistance call	●	—	—	—
Driving control				
Driving mode switch	●Sport ●Economy ●Standard/Comfortable	●Economy	●Economy	●Economy
energy recovery system	●	●	●	●
automatic parking	●	●	●	●
Hill assist	●	●	●	●
steep descent	—	—	—	—
driving hardware				
Front/rear parking radar	Front-Back●	Front-Back●	Front-Back●	Front-Back●
Driving assistance images	●Reversing image	—	●Reversing image	●Reversing image
driving function				
cruise system	●Cruise speed	●Cruise speed	●Cruise speed	●Cruise speed
satellite navigation system	—	—	—	—
Navigation traffic information display	—	—	—	—
map brand	—	—	—	—
Parallel assistance	—	—	—	—
Lane Keeping Assist System	—	—	—	—
Appearance/anti-theft				
Rim material	●Aluminum alloy	●Aluminum alloy	●Aluminum alloy	●Aluminum alloy
Electric trunk	—	—	—	—
Central locking in car	●	●	●	●
Key type	●Remote key	●Remote key	●Remote key	●Remote key
Keyless start system	●	●	●	●

Keyless entry function	●Front row	-	-	-
Battery preheating	-	-	-	-
exterior lights				
low beam light source	●LED	●Halogen	●Halogen	●Halogen
high beam light source	●LED	●Halogen	●Halogen	●Halogen
LED daytime running lights	-	-	-	-
Adaptive high and low beam	-	-	-	-
automatic headlight	-	-	-	-
car front fog lights	-	-	-	-
Headlight height adjustable	●	●	●	●
Delayed turn off of headlights	●	●	●	●
skylight/glass				
Skylight type	●The panoramic sunroof can be opened	-	-	-
Front/rear electric windows	before ● after ●	before ● after ●	before ● after ●	before ● after ●
One-touch window lifting function	●Front row	●Driving position	●Driving position	●Driving position
Window anti-pinch function	●	●	●	●
Car vanity mirror	-	-	-	-
rear wiper	-	-	-	-
Sensing wiper function	-	-	-	-
exterior rearview mirror				
Exterior rearview mirror function	●Electric adjustment ● Heated rearview mirrors	●Electric adjustment	●Electric adjustment	●Electric adjustment
screen/system				
Central control color screen	●Touch LCD screen	●Touch LCD screen	●Touch LCD screen	●Touch LCD screen
Central control screen size	●12.3 inches	●8 inches	●8 inches	●8 inches
Bluetooth/car phone	●	●	●	●
Mobile phone interconnection/map ping	●Original interconnection/mapping	●Original interconnection/mapping	●Original interconnection/mapping	●Original interconnection/mapping
Voice recognition control system	-	-	-	-

Intelligent configuration				
Internet of Vehicles	-	-	-	-
4G/5G network	-	-	-	-
OTA upgrade	●	●	●	●
Wi-Fi hotspot	-	-	-	-
Mobile APP remote function	●Door control ●Vehicle start ●Light control ●Air conditioning control ●Vehicle condition inquiry/diagnosis ●Vehicle positioning/car search	-	-	-
Steering wheel/interior rearview mirror				
Steering wheel material	●Plastic	●Plastic	●Plastic	●Plastic
Steering wheel position adjustment	●Manual up and down adjustment	●Manual up and down adjustment	●Manual up and down adjustment	●Manual up and down adjustment
Shift pattern	●Electronic knob shift	●Electronic knob shift	●Electronic knob shift	●Electronic knob shift
Multifunction steering wheel	●	●	●	●
steering wheel gear shift	-	-	-	-
Steering wheel heating	-	-	-	-
steering wheel memory	-	-	-	-
Trip computer display screen	●Color	●Color	●Color	●Color
Full LCD instrument panel	-	-	-	-
LCD instrument size	●3.5 inches	●3.5 inches	●3.5 inches	●3.5 inches
Interior rearview mirror function	●Manual anti-dazzle	●Manual anti-dazzle	●Manual anti-dazzle	●Manual anti-dazzle
ETC device	-	-	-	-
Charging in car				
Multimedia/charging interface	●USB	●USB	●USB	●USB
Number of USB/Type-C interfaces	●2 in the front row/2 in the back row	●2 in the front row/2 in the back row	●2 in the front row/2 in the back row	●2 in the front row/2 in the back row

Mobile phone wireless charging function	-	-	-	-
Seat configuration				
seat material	● Leather/fabric mix and match	●Imitation leather	●Imitation leather	●Imitation leather
Main seat adjustment method	●Front and back adjustment ● Backrest adjustment ● Height adjustment (2-way)	●Front and back adjustment ● Backrest adjustment ● Height adjustment (2-way)	●Front and back adjustment ● Backrest adjustment ● Height adjustment (2-way)	●Front and back adjustment ● Backrest adjustment ● Height adjustment (2-way)
Secondary seat adjustment method	●Fore and aft adjustment ● Backrest adjustment	●Fore and aft adjustment ● Backrest adjustment	●Fore and aft adjustment ● Backrest adjustment	●Fore and aft adjustment ● Backrest adjustment
Main/passenger seat electric adjustment	-	-	-	-
Front seat functions	-	-	-	-
Power seat memory function	-	-	-	-
Adjustable buttons for the passenger seat and rear row	-	-	-	-
Second row seat adjustment	-	-	-	-
Rear seats fold down	●Inverted proportions	●Inverted proportions	●Inverted proportions	●Inverted proportions
Front/rear center armrest	before ● after -	before ● after -	before ● after -	before ● after -
Rear cup holder	-	-	-	-
Audio/interior lighting				
Speaker brand name	-	-	-	-
Number of speakers	●4 speakers	●4 speakers	●4 speakers	●4 speakers
touch reading light	-	-	-	-
Car interior ambient lighting	-	-	-	-
Air conditioner/refrigerator				
Air conditioning temperature control method	●Automatic air conditioning	●Automatic air conditioning	●Automatic air conditioning	●Automatic air conditioning

Independent air conditioning in the rear	-	-	-	-
Rear seat air outlet	●	●	●	●
Temperature zone control	●	●	●	●
Car air purifier	-	-	-	-
In-car PM2.5 filter device	●	●	●	●
Optional package				
	Spare tire(1)			
Exterior color	Pearl white, Baikal blue, rice gold, Tiffany blue, star gray, phantom silver, quicksand gold, glazed red, night shadow black	Phantom Silver, Baikal Blue, Rice Gold, Tiffany Blue, Starry Gray, Quicksand Gold, Glaze Red, Night Shadow Black, Pearl White	Baikal blue, rice gold, Tiffany blue, star gray, phantom silver, quicksand gold, glazed red, night shadow black, pearl white	Baikal blue, rice gold, Tiffany blue, star gray, phantom silver, quicksand gold, glazed red, night shadow black, pearl white
interior color	black	Black, black/beige, black/brown	black	Black, black/beige, black/brown
Note: ●Standard○Optional-None				