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NIO EC6 configuration sheet

NIO EC6 2023 model 75kWh

NIO EC6 2023 model 100kWh

Basic parameters

Manufacturer	NIO	NIO
level	Medium SUV	Medium SUV
Energy type	pure electric	pure electric
time to market	2023.09	2023.09
CLTC pure electric cruising range (km)	495	630
Fast charging time (hours)	-	-
Slow charging time (hours)	-	-
Fast charging percentage	-	-
Maximum power (kW)	360	360
Maximum torque (N·m)	700	700
Motor (Ps)	490	490
Length*width*height (mm)	4849*1995*1697	4849*1995*1697
Body structure	5-door, 5-seat SUV crossover	5-door, 5-seat SUV crossover
Maximum speed (km/h)	200	200
Official 0-100km/h acceleration (s)	4.4	4.4
Vehicle warranty	Three years or 120,000 kilometers	Three years or 120,000 kilometers
First owner warranty policy	6 years or 150,000 kilometers	6 years or 150,000 kilometers
Body		
Length (mm)	4849	4849
Width (mm)	1995	1995
Height (mm)	1697	1697
Wheelbase (mm)	2915	2915
Front wheelbase (mm)	1711	1711
Rear wheelbase (mm)	1711	1711
Approach angle (°)	17	17
Departure angle (°)	19	19
Body structure	SUV crossover	SUV crossover
Car door opening method	swing door	swing door

Number of doors (number)	5	5
Number of seats (seats)	5	5
Trunk volume (L)	505-1402	505-1402
Drag coefficient (Cd)	0.24	0.24
Curb weight (kg)	2292	2340
Total mass of quasi-trailer (kg)	1260	1260
Maximum full load mass (kg)	2826	2826
<b>Electric motor</b>		
Motor type	Front AC/asynchronous rear permanent magnet/synchronous	Front AC/asynchronous rear permanent magnet/synchronous
Total motor power (kW)	360	360
Total motor power (Ps)	490	490
Total torque of motor (N·m)	700	700
Maximum power of front electric motor (kW)	150	150
Maximum torque of front electric motor (N·m)	280	280
Maximum power of rear electric motor (kW)	210	210
Maximum torque of rear electric motor (N·m)	420	420
Number of drive motors	Dual motor	Dual motor
Motor layout	Front + rear	Front + rear
Battery Type	Ternary lithium + lithium iron phosphate	Ternary lithium battery
Battery brand	Jiangsu Times	Ningde Times/Jiangsu Times/China New Aviation
Battery cooling method	liquid cooling	liquid cooling
Exchange battery	support	support
CLTC pure electric cruising range (km)	495	630
Battery energy (kWh)	75	100
Battery energy density (Wh/kg)	142.1	185.44

Electricity consumption per 100 kilometers (kWh/100km)	-	-
Battery pack warranty	Ten years of unlimited mileage for the first owner (the liability exemption clause shall be subject to the official)	Ten years of unlimited mileage for the first owner (the liability exemption clause shall be subject to the official)
Fast charging function	support	support
Fast charging time (hours)	-	-
Slow charging time (hours)	-	-
Fast charging capacity(%)	-	-
electric motor	360	360
Gearbox		
Number of gears	1	1
Gearbox type	fixed ratio gearbox	fixed ratio gearbox
abbreviation	Electric vehicle single speed gearbox	Electric vehicle single speed gearbox
chassis steering	NIO EC6 2023 model 75kWh	NIO EC6 2023 model 100kWh
Drive mode	Dual motor four-wheel drive	Dual motor four-wheel drive
four-wheel drive	Electric four-wheel drive	Electric four-wheel drive
Center differential structure	-	-
Front suspension type	Five-link independent suspension	Five-link independent suspension
rear suspension type	Five-link independent suspension	Five-link independent suspension
Assist type	electric assist	electric assist
Body structure	Load-bearing	Load-bearing
wheel brake		
Front brake type	ventilated disc	ventilated disc
rear brake type	ventilated disc	ventilated disc
Parking brake type	Electronic parking	Electronic parking
Front tire specifications	255/50 R20	255/50 R20
Rear tire specifications	255/50 R20	255/50 R20
Spare tire specifications	Tire repair tool	Tire repair tool
Passive safety		
Main/passenger seat airbag	Main●Deputy●	Main●Deputy●
Front/rear side airbags	before ● after -	before ● after -

Front/rear head airbags (curtain airbags)	before ● after ●	before ● after ●
Front middle airbag	●	●
Tire pressure monitoring function	●Tire pressure display	●Tire pressure display
Run-flat tires	○	○
Seat belt not fastened reminder	●The whole car	●The whole car
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	●	●
DOW opening warning	●	●
forward collision warning	●	●
Sentry mode/clairvoyance	●	●
Low speed warning	●	●
Built-in driving recorder	●	●
roadside assistance call	●	●
Anti-rollover system	●	●
Driving control		
Driving mode switch	●Sports ●Economy ●Standard/comfortable ●Off-road ●Snow ●Customized/personalized	●Sports ●Economy ●Standard/comfortable ●Off-road ●Snow ●Customized/personalized
energy recovery system	●	●
automatic parking	●	●
Hill assist	●	●

steep descent	●	●
Variable suspension function	●Suspension soft and hard adjustment	●Suspension soft and hard adjustment
Drag mode	○	○
4WD/off-road		
tow hitch	○Electric	○Electric
Driving hardware		
Front/rear parking radar	before ● after ●	before ● after ●
Driving assistance images	●360-degree panoramic image	●360-degree panoramic image
Transparent chassis/540 degree image	●	●
Assisted driving chip	●Four NVIDIA Orin-X	●Four NVIDIA Orin-X
Chip total computing power	●1016 TOPS	●1016 TOPS
Number of cameras	●11 pieces	●11 pieces
Ultrasonic radar quantity	●12 pieces	●12 pieces
Millimeter wave radar quantity	●5 pieces	●5 pieces
LiDAR quantity	●1 piece	●1 piece
Driving function		
cruise system	●Full-speed adaptive cruise	●Full-speed adaptive cruise
Assisted driving system	●Aquila NIO super-sensory system	●Aquila NIO super-sensory system
Assisted driving level	●L2 ○L3	●L2 ○L3
Reverse side warning system	●	●
satellite navigation system	●	●
Navigation traffic information display	●	●
map brand	●Gaode	●Gaode
HD map	●	●
Parallel assistance	●	●
Lane Keeping Assist System	●	●
Lane centering	●	●
Road traffic sign recognition	●	●
Automatic parking	●	●
remote control parking	●	●
Automatic lane change assist	●	●

Automatic ramp exit (entry)	<input type="radio"/>	<input type="radio"/>
remote summoning	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Steering wheel hand off detection	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Start reminder	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Autonomous driving assistance road section	<input type="radio"/> City section <input type="radio"/> High-speed section	<input type="radio"/> City section <input type="radio"/> High-speed section
<b>Appearance/anti-theft</b>		
Electric spoiler	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Rim material	<input checked="" type="radio"/> Aluminum alloy	<input checked="" type="radio"/> Aluminum alloy
Electric suction door	<input checked="" type="radio"/> The whole car	<input checked="" type="radio"/> The whole car
Electric trunk	<input checked="" type="radio"/>	<input checked="" type="radio"/>
induction trunk	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Electric trunk position memory	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Central locking in car	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Key type	<input checked="" type="radio"/> Remote key <input checked="" type="radio"/> Bluetooth key <input checked="" type="radio"/> NFC/RFID key <input checked="" type="radio"/> UWB digital key	<input checked="" type="radio"/> Remote key <input checked="" type="radio"/> Bluetooth key <input checked="" type="radio"/> NFC/RFID key <input checked="" type="radio"/> UWB digital key
Keyless start system	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Keyless entry function	<input checked="" type="radio"/> The whole car	<input checked="" type="radio"/> The whole car
Hidden electric door handle	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Active closing air intake grille	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Remote start function	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Battery preheating	<input checked="" type="radio"/>	<input checked="" type="radio"/>
external discharge	<input checked="" type="radio"/>	<input checked="" type="radio"/>
<b>Exterior lights</b>		
low beam light source	<input checked="" type="radio"/> LED	<input checked="" type="radio"/> LED
high beam light source	<input checked="" type="radio"/> LED	<input checked="" type="radio"/> LED
Lighting features	<input checked="" type="radio"/> Geometric multi-beam	<input checked="" type="radio"/> Geometric multi-beam
LED daytime running lights	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Adaptive high and low beam	<input checked="" type="radio"/>	<input checked="" type="radio"/>
automatic headlight	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Turn assist light	<input checked="" type="radio"/>	<input checked="" type="radio"/>
car front fog lights	<input checked="" type="radio"/> LED	<input checked="" type="radio"/> LED
Headlight height adjustable	<input checked="" type="radio"/>	<input checked="" type="radio"/>

Delayed turn off of headlights	●	●
<b>Skylight/glass</b>		
Skylight type	●The panoramic sunroof cannot be opened	●The panoramic sunroof cannot be opened
Light-sensing awning	○	○
Front/rear electric windows	before ● after ●	before ● after ●
One-touch window lifting function	●The whole car	●The whole car
Window anti-pinch function	●	●
Multilayer soundproof glass	●The whole car	●The whole car
Rear side privacy glass	●	●
Car vanity mirror	●Main driver + lighting ●Co-pilot + lighting	●Main driver + lighting ● Co-pilot + lighting
rear wiper	-	-
Sensing wiper function	●Rain sensor type	●Rain sensor type
<b>Exterior rearview mirror</b>		
Exterior rearview mirror function	●Electric adjustment ● Electric folding ● Rearview mirror memory ● Rearview mirror heating ● ●Automatic flip-down when reversing ● Automatic folding when locking the car ● Automatic anti-dazzle	●Electric adjustment ● Electric folding ● Rearview mirror memory ● Rearview mirror heating ● ●Automatic flip-down when reversing ● Automatic folding when locking the car ● Automatic anti-dazzle
<b>Screen/System</b>		
Central control color screen	●Touch LCD screen	●Touch LCD screen
Central control screen size	●12.8 inches	●12.8 inches
Bluetooth/car phone	●	●
Mobile phone interconnection/mapping	-	-
Voice recognition control system	●Multimedia system ● Navigation ●Telephone ● Air conditioning ● Sunroof	●Multimedia system ● Navigation ●Telephone ● Air conditioning ●Sunroof
face recognition	●	●
Vehicle intelligent system	●Banyan	●Banyan
Vehicle smart chip	●Qualcomm Snapdragon 8155	●Qualcomm Snapdragon 8155
rear LCD screen	●	●

Rear LCD screen size	●6.6 inches	●6.6 inches
Rear seat control multimedia	●	●
Vehicle system memory (GB)	●16	●16
Vehicle system storage (GB)	●256	●256
Voice wake word free	●	●
Voice area wake-up recognition	●Four areas	●Four areas
Speech continuous recognition	●	●
It can be said that it is visible	●	●
Intelligent configuration		
Internet of Vehicles	●	●
4G/5G network	●5G	●5G
OTA upgrade	●	●
Wi-Fi hotspot	●	●
V2X communication	●	●
In-vehicle biometric monitoring system	●	●
Mobile APP remote function	<ul style="list-style-type: none"> <li>●Door control</li> <li>●Window control</li> <li>●Vehicle start</li> <li>●Charging management</li> <li>●Air conditioning control</li> <li>●Vehicle condition query/diagnosis</li> <li>●Vehicle positioning/car search</li> <li>●Car owner service (find charging piles, gas stations, parking lots, etc.)</li> </ul>	<ul style="list-style-type: none"> <li>●Door control</li> <li>●Window control</li> <li>●Vehicle start</li> <li>●Charging management</li> <li>●Air conditioning control</li> <li>●Vehicle condition query/diagnosis</li> <li>●Vehicle positioning/car search</li> <li>●Car owner service (find charging piles, gas stations, parking lots, etc.)</li> </ul>
simulated sound	●	●
Steering wheel/Interior rearview mirror		
Steering wheel material	●Leather○Genuine leather	●Leather○Genuine leather
Steering wheel position adjustment	●Electric up and down + front and rear adjustment	●Electric up and down + front and rear adjustment
Shift pattern	●Electronic gear shift	●Electronic gear shift
Multifunction steering wheel	●	●
steering wheel gear shift	-	-
Steering wheel heating	●	●



steering wheel memory	●	●
Trip computer display screen	●Color	●Color
Full LCD instrument panel	●	●
LCD instrument size	●10.2 inches	●10.2 inches
HUD heads up digital display	●	●
Interior rearview mirror function	●Automatic anti-dazzle	●Automatic anti-dazzle
ETC device	●	●
Charging in car		
Multimedia/charging interface	●USB ●Type-C	●USB ●Type-C
Number of USB/Type-C interfaces	●3 in the front row/1 in the back row	●3 in the front row/1 in the back row
Mobile phone wireless charging function	●Front row	●Front row
Luggage compartment 12V power interface	●	●
Seat configuration		
seat material	●Imitation leather○Genuine leather	●Imitation leather○Genuine leather
Sports style seats	●	●
Main seat adjustment method	●Front and back adjustment ●Backrest adjustment ●Height adjustment (4-way) ●Leg rest adjustment ●Waist support (4-way)	●Front and back adjustment ●Backrest adjustment ●Height adjustment (4-way) ●Leg rest adjustment ●Waist support (4-way)
Secondary seat adjustment method	●Front and back adjustment ●Backrest adjustment ●Height adjustment (4-way) ●Leg rest adjustment ●Waist support (4-way)	●Front and back adjustment ●Backrest adjustment ●Height adjustment (4-way) ●Leg rest adjustment ●Waist support (4-way)
Main/passenger seat electric adjustment	Main●Deputy●	Main●Deputy●
Front seat functions	●Heating ●Ventilation ●Massage	●Heating ●Ventilation ●Massage
Power seat memory function	●Driver's seat ●Co-pilot's seat	●Driver's seat ●Co-pilot's seat
Adjustable buttons for the passenger seat and rear row	-	-
Second row seat adjustment	●Backrest adjustment	●Backrest adjustment

Electrically adjustable second row seats	●	●
Second row seat functions	●Heating○Ventilation○ Massage	●Heating○Ventilation○ Massage
Rear seats fold down	●Inverted proportions	●Inverted proportions
Front/rear center armrest	before ● after ●	before ● after ●
Rear cup holder	●	●
Audio/interior lighting		
Speaker brand name	-	-
Number of speakers	●23 speakers	●23 speakers
Dolby Atmos	●	●
touch reading light	●	●
Car interior ambient lighting	●256 colors	●256 colors
Air conditioner/refrigerator		
Air conditioning temperature control method	●Automatic air conditioning	●Automatic air conditioning
heat pump air conditioner	●	●
Independent air conditioning in the rear	●	●
Rear seat air outlet	●	●
Temperature zone control	●	●
Car air purifier	●	●
In-car PM2.5 filter device	●	●
negative ion generator	●	●
Car fragrance device	●	●
Optional package		
Optional package	NIO EC6 2023 model 75kWh	NIO EC6 2023 model 100kWh

	NIO battery (75kWh battery pack) rental service (1) NAD full function service subscription (1) Front wiper defrost function (1000) Airglow Orange caliper (3500) Appearance package (4500) N-Box enhanced entertainment host (4600) NOMI vehicle artificial intelligence system (4900) Rear comfort package (5500) Towing package (7500) Nappa premium interior package (16000)	NIO battery (100kWh battery pack) rental service (1) NAD full function service subscription (1) Front wiper defrost function (1000) Airglow Orange caliper (3500) Appearance package (4500) N-Box enhanced entertainment host (4600) NOMI vehicle artificial intelligence system (4900) Rear comfort package (5500) Towing package (7500) Nappa premium interior package (16000)
Exterior color	Deep space black, cloud white, star gray, spiritual purple, aurora green, aerospace blue, Antarctic star blue, dawn gold, stratosphere blue	Dawn gold, spiritual purple, aurora green, Antarctic star blue, deep space black, stratosphere blue, aerospace blue, star gray, cloud white
interior color	Black/Morning Lake Blue, Black/Thin Vine Purple, Black/Danxia Red, Agate Black	Black/Thin Vine Purple, Black/Danxia Red, Black/Morning Lake Blue, Agate Black
Note: ●Standard ○ Optional - None		