

Vehicle Detail Report

Weilai ES8 2020 580KM Base version Six seats

Basic Information

Brand	NIO
Mileage	103,000 km
Color	Blue
First Registration	2022-05-01
Transfer Count	0

Vehicle Images







Vehicle Condition

1. Windshield, Replaced.

Configuration Information

Model Information

Model Name	Weilai ES8 2020 580KM Six-seat version
Launch Date	2019.12

Basic parameters

Vehicle Class	Large SUV
Energy Type	Battery Electric Vehicle (BEV)
Maximum Power (kW)	400
Maximum Torque (N·m)	725
Body Type	SUV
Dimensions (L×W×H) (mm)	5022*1962*1756
Official 0-100 km/h Acceleration (s)	4.9
Top Speed (km/h)	200
Curb Weight (kg)	2445
Maximum Gross Weight (kg)	3099
NEDC Electric Range (km)	580
Fast Charging Time (h)	0.8
Slow Charging Time (h)	14
Electric Motor (PS)	544
Fast Charging Range (%)	80
Electricity Consumption in Fuel Equivalent (L/100km)	2

Electric Motor

Motor Type	Front permanent magnet/synchronous rear AC/asynchronous
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Electric Motor (continued)

Total Electric Motor Power (kW)	400
Total Electric Motor Torque (N·m)	725
Front Electric Motor Max Power (kW)	160
Front Electric Motor Max Torque (N·m)	305
Number of drive motors	Dual motors
Motor Layout	Front-mounted Rear-mounted
Battery Type	Ternary lithium battery
Battery Capacity (kWh)	100
Total Electric Motor Power (PS)	544
Rear Electric Motor Max Power (kW)	240
Rear Electric Motor Max Torque (N·m)	420
Battery Cell Brand	Contemporary Amperex Technology Co. Limited (Jiangsu Times)
Battery Cooling System	Liquid cooling
Battery energy density (Wh/kg)	185.44
Power consumption per 100 kilometers (kWh/100km)	17.7
Fast charging function	Support
Battery Replacement	Support

Screen/System

Central control color screen	<ul style="list-style-type: none">• Touch LCD screen
Infotainment Screen Size	<ul style="list-style-type: none">•11.3 inches
Bluetooth/In-car Phone	<ul style="list-style-type: none">•
Voice recognition control system	<ul style="list-style-type: none">• Multimedia system;• Navigation;• Telephone;• Air conditioning;• Sunroof
In-vehicle intelligent system	<ul style="list-style-type: none">•NOMI

Body

Length (mm)	5022
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Body (continued)

Width (mm)	1962
Height (mm)	1756
Wheelbase (mm)	3010
Front Track (mm)	1668
Rear Track (mm)	1672
Door Opening Type	swing door
Number of Doors	5
Number of Seats	6
Trunk volume (L)	310-1901
Drag Coefficient (Cd)	0.29
Approach Angle (°)	20
Departure Angle (°)	20

Gearbox

Abbreviation	Electric vehicle single speed gearbox
Number of Gears	1
Transmission Type	Fixed Gear Ratio Transmission

Chassis steering

Drive Type	Dual-motor All-wheel Drive
Four-wheel drive	Electric four-wheel drive
Front Suspension Type	Double wishbone independent suspension
Rear Suspension Type	Multi-link independent suspension
Power Steering Type	Electric power assistance
Vehicle structure	bearing type

Seat Configuration

Seat Material	<ul style="list-style-type: none">• Leather
Main seat adjustment	<ul style="list-style-type: none">• Front and rear adjustment;• Backrest adjustment;• Height adjustment (4-way);• Lumbar support (4-way)
Co-seat adjustment method	<ul style="list-style-type: none">• Front and rear adjustment;• Backrest adjustment;• Height adjustment (2-way);• Leg rest adjustment;• Lumbar support (4-way)

Seat Configuration (continued)

Electric adjustment of driver's seat and passenger seat	Main •/Deputy •
Front seat functions	• Heating; ○ Ventilation; ○ Massage
Electric seat memory function	• driving position; • co-pilot position
Front passenger seat rear adjustable buttons	-
Second row seat adjustment	• Front and rear adjustment; • Backrest adjustment
Rear seat folding	• Proportional down
Front/rear center armrest	Front •/Rear •
Rear cup holder	•
Second row seat functions	○ Heating
Seat Layout	•2-2-2
Second row independent seats	•

Active safety

Anti-lock Braking System (ABS)	•
Electronic Brakeforce Distribution (EBD/CBC)	•
Brake Assist System (EBA/BAS/BA)	•
Traction Control System (ASR/TCS/TRC)	•
Electronic Stability Control (ESC/ESP/DSC)	•
Tire Pressure Monitoring System (TPMS)	• Tire pressure display
Seat Belt Reminder	• Front row; • Second row
ISOFIX Child Seat Anchors	•
Lane Departure Warning System (LDWS)	•
Autonomous Emergency Braking (AEB)	•
Driver Fatigue Detection	•
Forward Collision Warning (FCW)	•

Active safety (continued)

Low Speed Alert	•
Emergency Call System (eCall)	•
Built-in Dashcam	•
Door Opening Warning (DOW)	•
Sentry Mode	○

Air conditioning/refrigerator

Air conditioning temperature control method	• Automatic air conditioning
Rear Independent Climate Control	•
Rear seat air vents	•
Temperature zone control	•
Car air purifier	•
In-cabin PM2.5 Filter	•
Negative ion generator	•
Car fragrance device	○
Heat pump air conditioner	•

Passive safety

Driver/passenger airbag	Main •/Deputy •
Front/rear side airbags	Front •/Rear-
Front/rear head airbags (curtain airbags)	Front •/Rear •

Wheel brake

Front Brake Type	Ventilation disc
Rear Brake Type	Ventilation disc
Parking brake type	Electronic Parking
Front Tire Size	255/55 R19
Rear Tire Size	255/55 R19
Spare Tire Size	Tire repair tools

Audio/Interior Lighting

Number of speakers	• 7 horn; ○ 12 horn
Interior ambient lighting	• 10 colors
Touch reading light	•

Driving functions

Driving functions (continued)

Navigation traffic information display	•
Lane assist	•
Lane Keeping Assist System	○
Cruise control system	• Cruise control; ○ Adaptive cruise control; ○ Full-speed adaptive cruise control
Satellite navigation system	•
Driving assistance level	○L2
Rear Cross Traffic Alert	○
Lane centering	○
Road traffic sign recognition	○
Map Brand	• Baidu
Driver assistance systems	• NIO Pilot;○ Alder · Alder · Alder
Remote Summon	○
Parking Assist	○
Lane Change Assist	○

Exterior lighting

Low beam light source	•LED
High beam light source	•LED
LED daytime running lights	•
Adaptive high and low beam	○
Automatic headlights	•
Front fog lights	•LED
Height-adjustable headlights	•
Headlight Delay Off	•
Turn signal lamp	•

Exterior mirrors

Exterior mirror function	• Electric adjustment; • Electric folding; • Rearview mirror memory; • Rearview mirror heating; • Automatic downturning when reversing; • Automatic folding when locked; ○ Automatic anti-glare
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Appearance/anti-theft

Rim material	<ul style="list-style-type: none">• Aluminum alloy
Electric trunk	<ul style="list-style-type: none">•
Central locking system in the car	<ul style="list-style-type: none">•
Key Type	<ul style="list-style-type: none">• Remote key;• Bluetooth key;• NFC/RFID key
Keyless start system	<ul style="list-style-type: none">•
Keyless entry function	<ul style="list-style-type: none">• Full car
Hands-free Trunk	<ul style="list-style-type: none">•
Electric trunk position memory	<ul style="list-style-type: none">•
Roof rack	<ul style="list-style-type: none">•
Remote start function	<ul style="list-style-type: none">•
Battery preheating	<ul style="list-style-type: none">•
Active closed grille	<ul style="list-style-type: none">•
Hidden electric door handle	<ul style="list-style-type: none">•

Skylight/Glass

Sunroof Type	<ul style="list-style-type: none">• Openable panoramic sunroof
Front/rear electric windows	Front •/Rear •
One-touch window lifting function	<ul style="list-style-type: none">• Full car
Window anti-pinch function	<ul style="list-style-type: none">•
Car makeup mirror	<ul style="list-style-type: none">• Main driver's lamp;• co-pilot's lamp
Rear wiper	<ul style="list-style-type: none">•
Rain sensor wiper function	<ul style="list-style-type: none">• Rainfall-sensing
Rear side privacy glass	<ul style="list-style-type: none">•
Side window multi-layer soundproof glass	<ul style="list-style-type: none">• Front row

Interior and exterior color

Interior and exterior color (continued)

Exterior Color	Starry Blue (Color Downline), #7196F6, Aurora, Brown:#695547; Antarctic Star Blue:#282D55; Deep Space, Black:#000000, Star ash:#939395; Nebula purple (Color Downline), #800080; Cloud White:#FFFFFF, Aurora, Green:#616B5F
Interior Color	Black, Urban Brown:#000000/#A78671, Black, Speed gray:#000000/#D0D0D0, Black, Sports gray (Color Downline), #000000/#D0D0CD, Technology, Black:#000000

Steering wheel/interior mirror

Steering Wheel Material	<ul style="list-style-type: none">• Leather
Steering wheel position adjustment	<ul style="list-style-type: none">• Electric up and down front and rear adjustment
Multi-function steering wheel	<ul style="list-style-type: none">•
Heated Steering Wheel	<input type="radio"/>
Steering wheel memory	<ul style="list-style-type: none">•
Trip computer display screen	<ul style="list-style-type: none">• Color
Full LCD instrument panel	<ul style="list-style-type: none">•
LCD instrument size	<ul style="list-style-type: none">•9.8 inches
Interior rearview mirror function	<ul style="list-style-type: none">• Automatic anti-glare
Gear shifting	<ul style="list-style-type: none">• Electronic gear shift
HUD Head Up Digital Display	<input type="radio"/>

Intelligent configuration

Connected Car Services	<ul style="list-style-type: none">•
OTA Updates	<ul style="list-style-type: none">•
4G/5G Network	<ul style="list-style-type: none">•4G;○5G
Mobile APP remote function	<ul style="list-style-type: none">• Door control; • Vehicle start-up; • Charging management; • Air conditioning control; • Vehicle status inquiry/diagnostics; • Vehicle location/vehicle finding; • Owner services (locating charging stations, gas stations, parking lots, etc.)
Wi-Fi hotspots	<ul style="list-style-type: none">•

Driving Control

Driving Control (continued)

Driving mode switch	• Sports; • Economy; • Standard/Comfort; • Snow; • Custom/Personalized
Automatic parking	•
Steep slope descent	•
Hill start assist	•
Energy recovery system	•
Variable suspension function	• Suspension soft and hard adjustment; • Suspension height adjustment
Air Suspension	•

Driving Hardware

Front/rear parking radar	Front •/Rear •
Driving Assistance Camera System	• 360-degree panoramic image
Number of cameras	•9 pieces
Number of ultrasonic radars	• 12
Transparent chassis/540-degree imaging	•
Millimeter wave radar quantity	• 5
Assisted driving chip	•Mobileye EyeQ4
Total chip computing power	•2.5 TOPS;○5 TOPS

In-car charging

Multimedia/charging port	•USB
Number of USB/Type-C ports	• 2 in the front row/4 in the back row
Mobile phone wireless charging function	• Front row
Luggage compartment 12V power socket	•

Optional Package

Optional Package (continued)

Optional Package

airglow orange calipers (USD 515; Including: Qi Hui Orange Caliper), Signature Design Set (USD 662; Including: custom signature board, custom badge), NOMI In-Car Artificial Intelligence System (USD 721; contains: NOMI Mate 2.0), Advanced Surround Sound System (USD 882; including: 12-speaker surround sound system, 6 personalized sound atmosphere modes), Enhanced Display Package (USD 956; Including: enhanced head-up display system (HUD), automatic anti-glare of exterior rearview mirrors), Comfortable Suit (USD 1,103; Including: steering wheel heating, second row seat heating, front seat ventilation, door sill pedal welcome light, intelligent fragrance system), Smart Cockpit Upgrade Package (USD 1,412; Including: Alder · Alder · Alyang, Weilai Intelligent System), Smart Cockpit Upgrade Package 5G (USD 1,853; Including: Weilai Intelligent System Alder · Alder · Alyang, 5G High Performance Central Gateway), NIO Pilot Select Pack (USD 2,206; Including: adaptive cruise (ACC), visual fusion automatic parking system (S-APA with Fusion), Automatic road hold (LKA), rear incoming warning (CTA-R), incoming warning-active braking (CTA-B), dynamic instrument interface and lane automatic simulation (ALS), automatic far and near light control (AHB)), Nappa Premium Interior Package (USD 4,706; Including: front seat massage, advanced Nappa perforated leather seats, advanced Nappa leather interior covering, Microfiber ultra-fiber velvet ceiling), NIO Pilot Full Pack (USD 5,735; Including: NIO Pilot Select Package, Auto-Assisted Navigation Driving (NOP), High Speed Auto-Assisted Driving (Highway Pilot), Congestion Auto-Assisted Driving (Traffic Jam Pilot), Turn Signal Control lane change (ALC), Driver Fatigue Warning (DDW), Automatic Vehicle Call (NS), Road Sign Recognition (TSR), Automatic Speed Limit Adjustment (ISA), Front Side Incoming Warning (CTA-F))

"●" = Standard equipment

"□" = Not available

"○" = Optional equipment.

Note: These are Chinese market vehicles. Warranty coverage is not available outside of China.