Polestar 3

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Press factsheet (Global, October 2022)

Model range and pricing

	Long range Dual motor
Standard vehicle, indicative	EUR 89,900*
Pilot Pack	Included
Plus Pack	Included
Performance Pack	EUR 6,600

*Based on retail price in Germany before incentives. Local market pricing will be specified in local market factsheets.

Electric motors, transmission, output and chassis

	Long range Dual motor
Motor type	Permanent magnet synchronous motors
Motor configuration	Dual, front and rear
Torque vectoring	Dual clutch (rear motor only)
Transmission	Single speed
Chassis type	Steel chassis, aluminium axles
Body type	Steel monocoque
Seating configuration	5-seat

Output and performance

	Long range Dual motor	**With Performance Pack**
Power	360 kW (489 hp)	380 kW (517 hp)
Torque	840 Nm	910 Nm
Top speed	210 km/h	210 km/h
Acceleration 0-100 km/h	5,0 seconds	4,7 seconds

Efficiency

	Long range Dual motor	**With Performance Pack**
Energy consumption*	20,1-21,1 kWh/100 km	21,9-23,1 kWh/100 km
Range target (WLTP)*	Up to 610 km	Up to 560 km
Drag coefficient	0,29 Cd	
Drag force	0,78 CdA	

*Preliminary data. Official energy consumption and range certification data is pending and will be released in 2023.

Battery and charging

	Long range Dual motor
Type	400V lithium-ion
Manufacturer	CATL
Chemistry	Nickel-manganese-cobalt
Capacity (nominal)	111 kWh
Capacity (useable)	107 kWh
Construction	204 prismatic cells, 17 modules, aluminium battery case with boron steel reinforcement
Charging capacity (AC)	Up to 11 kW
Charging time (AC)	0-100% in 11 hours (3-phase, 16A)
Charging capacity (DC)	Up to 250 kW
Charging time (DC)	10-80% in 30 min (250 kW)

Dimensions and weight

	Long range Dual motor
Wheelbase	2,985 mm
Length	4,900 mm
Height	1,627 mm (1,614 in Europe)
Width incl. mirrors	2,120 mm
Ground clearance	211 mm (201 in Europe)
Turning circle kerb to kerb	11,8 m
Kerb weight	2,584-2,670 kg
Weight distribution	50:50
Front storage compartment	32 litres
Rear luggage capacity	484 litres (seats up, incl. 90 under floor)
Rear cargo capacity	1,411 litres (seats folded, incl. 90 under floor)
Towing capacity	2,200 kg (3,500 lbs for North America)
Tongue weight limit	100 kg (350 lbs for North America)
Roof load maximum	100 kg

Wheels, tyres, brakes, suspension

	Long range Dual motor
Wheels, standard	21-inch cast alloy
Tyres, standard	265/45R21 (front) 295/40R21 (rear) Michelin Pilot Sport 4 EV or Continental SportContact 7
Wheels, optional	22-inch forged alloy
Tyres, optional	265/40R22 (front) 295/35R22 (rear) Pirelli P-Zero
Brakes	Brembo 4-piston, 400 mm drilled and ventilated discs (front) Standard single-piston, 390 mm ventilated discs (rear)
Suspension, front	Double wishbone
Suspension, rear	Integral link
Damping	Adaptive, self-levelling dual-chamber air suspension with ZF active dampers

Warranties and roadside assistance

Complete vehicle	Market-specific, minimum 2 years
Battery pack	8 years / 160,000 km or 70% SOH
Corrosion	12 years
Polestar Connect and roadside assistance	3 years

Standard equipment

Infotainment and connectivity

- Infotainment system powered by Android Automotive OS
- Google built-in (Google Assistant, Google Maps, Google Play Store – not for China or South Korea)
- Integrated e-SIM with constant Internet connectivity for 3 years
- Progressive 9-inch digital driver display
- 14,5-inch centre display
- 4 x USB-C connectors: 2 front, 2 rear
- Inductive phone charger 15 W
- Digital radio DAB+
- Bluetooth telephony (all phones compatible)

Ownership

- Over-the-air (OTA) updates for life
- Polestar Connect
- Polestar app with vehicle functionality
- Ultra-wideband remote frequency key
- NFC key card

Comfort and convenience

- Panoramic glass roof with illuminated Polestar symbol
- Rain sensor
- Electric tailgate with soft closing and hands-free opening
- Fully electric front seats with driver's seat memory
- 4 cup holders (2 front, 2 rear)
- Rear seat 40/60 split with ski hatch
- 12V power outlet in boot
- Front storage compartment (32 litres)
- 360-degree surround view camera
- Front and rear parking assist

Driving characteristics

- Adjustable one pedal drive
- Adjustable steering force
- Torque Vectoring, Dual Clutch (TVDC) with rear motor disconnect
- Air suspension, dual-chamber with active dampers
- Drive mode settings
- Staggered wheels and tyres
- Brembo 4-piston front brakes in Swedish gold

Climate

- Electronic climate control, 3-zone
- CleanZone with pre-ventilation, multifilter
- Parking climate including scheduled preconditioning via centre screen and Polestar app
- Heat pump
- Climate timers
- Heated front seats

Interior

- Charcoal headlining
- Textile floor mats

Safety and security

- ADAS: Safety assistance
  - Map-adapted ACC (Adaptive Cruise Control)
  - Collision Avoidance and Mitigation with braking and steering support; vehicle, cyclist and pedestrian detection
  - Run-off Road Mitigation
  - Forward Collision Warning
  - Oncoming Lane Mitigation
  - Lane Keeping Aid with steering support
  - Post-Impact Braking
  - Road Sign Information
  - Driver Alert
  - Speed limiter
- ADAS: Driver awareness
  - Blind Spot Information System (BLIS)
  - Cross Traffic Alert (CTA) with brake support
  - Rear Collision Warning & Mitigation
  - Rear view camera
- Hill Start Assist
- Electronic Stability Control (ESC)
- Direct Tyre Pressure Monitoring System
- AVAS (Acoustic Vehicle Alert System)
- Up to 10 airbags
  - Driver and front passenger
  - Dual side
  - Dual inner-side
  - Dual curtain
  - Driver's knee
  - Passenger knee (North America only)
- Whiplash protection, front seats
- Cut-off switch, passenger airbag
- Driver Monitoring System with two interior cameras
- Interior radar to help protect against accidentally leaving children or pets inside, including 'keep climate' function
- Alcolock preparation
- ISOFIX for rear seats
- Alarm with interior alarm motion sensor
- Double-locking door locks
- Alarm inclination sensor
- Tyre repair kit
- First aid kit
- Warning triangle

Lighting and mirrors

- LED headlights with Active High Beam
- Dual blade daytime running lights
- Full-LED rear light bar with persistent light signature, automatic dimming
- Welcome and farewell light sequences
- Frameless side mirrors, electric and heated
- Automatic dimming for all mirrors
- LED interior illumination including laser-etched light line
- Privacy acoustic laminated windows

Equipment packs

Plus Pack (standard at launch)

- 25-speaker Bowers & Wilkins audio system with Dolby Atmos, 1,610W
- Soft-closing doors
- Powered steering column with profile memory
- Air quality – advanced cabin sensor and filtration
- Bio-attributed MicroTech or 100% traced wool upholstery
- Repurposed Aluminium deco
- Heated windscreen wiper blades
- Heated rear seats
- Heated steering wheel
- Infra-red windscreen
- Rear cargo floor “lid in lid” with bag holder
- 21-inch 5-V spoke black diamond cut wheels with 265/45 front and 295/40 rear tyres

Pilot Pack (standard at launch)

- ADAS: Driver assistance
    - Pilot Assist with acceleration, braking and steering support up to 130 km/h
    - Park Assist Pilot
- Head-up display

Performance Pack (optional)

- Performance software upgrade (380 kW, 910 Nm)
- Polestar Engineered chassis tuning
- 22-inch 4-multi spoke black polished forged alloy wheels
- Pirelli P-Zero 265/40R22 (front), 295/35R22 (rear)
- Swedish gold valve caps, seat belts
- Laser-etched gold interior light line
- Range optimisation drive mode

Single options

- 1.3-megapixel HD LED headlights (not for North America)
- 22-inch 4-V spoke black polished forged alloy wheels (not with Performance Pack)
- Nappa leather interior with ventilation, powered side supports and massage function for front seats; Black Ash deco
- Metallic paint
- Standard (no tint) acoustic laminated glass, no cost
- Fully-electric folding tow bar (semi-electric for North America; not available in China)