

Polestar 4

Press factsheet (Global, April 2023)

Technical information

Electric motors, transmission and chassis

| | Long range Dual motor | Long range Single motor |
|-----------------------|--|-------------------------|
| Motor type | Permanent magnet synchronous motors | |
| Motor configuration | Dual, front and rear | Single, rear |
| Transmission | Single speed with disconnect clutch | Single speed |
| Platform | Sustainable Experience Architecture (SEA) Steel monocoque | |
| Body type | D-segment SUV coupé | |
| Seating configuration | 5-seat | |

Output and performance

| | Long range Dual motor | Long range Single motor |
|-----------------------------------|-----------------------|-------------------------|
| Power | 400 kW (544 hp) | 200 kW (272 hp) |
| Torque | 686 Nm (506 lb-ft) | 343 Nm (253 lb-ft) |
| Top speed | 200 km/h (124 mph) | 180 km/h (112 mph) |
| Acceleration 0-100 km/h (62 mph)* | 3.8 seconds | 7.4 seconds |

*Preliminary data. Official certification data is pending and will be released in 2024.

Efficiency

| | Long range Dual motor | Long range Single motor |
|----------------------|--------------------------|--------------------------|
| Energy consumption* | 16.7-16.8 kWh/100 km | 14.8-14.9 kWh/100 km |
| Range target (WLTP)* | Up to 560 km / 350 miles | Up to 600 km / 372 miles |
| Range target (EPA)* | Up to 270 miles | Up to 300 miles |
| Drag coefficient | 0.269 Cd | |

*Preliminary data. Official energy consumption and range certification data is pending and will be released in 2024.

Battery and charging

| | Long range Dual motor and Long range Single motor |
|------------------------|---|
| Type | 400V lithium-ion |
| Manufacturer | CATL |
| Chemistry | Nickel-manganese-cobalt |
| Capacity (nominal) | 102 kWh |
| Capacity (useable) | 94 kWh |
| Construction | 110 prismatic cells |
| Charging capacity (AC) | Up to 22 kW |
| Charging time (AC) | 0-100% in 5.5 hours (3-phase, 32A) |
| Charging capacity (DC) | Up to 200 kW |
| Charging time (DC) | 5-80% in 32 min (200 kW) |

Dimensions and weight

| | Long range Dual motor | Long range Single motor |
|---------------------|-----------------------|-------------------------|
| Wheelbase | 2,999 mm | |
| Length | 4,839 mm | |
| Height | 1,544 mm | |
| Width incl. mirrors | 2,139 mm | |

| | | |
|-----------------------------|----------------|----------|
| Ground clearance | 166 mm | |
| Turning circle kerb to kerb | 11.6 m | |
| Kerb weight | 2,232-2,351 kg | |
| Weight distribution | 50:50 | |
| Front storage compartment | 15 litres | |
| Rear luggage capacity | 500 litres | |
| Rear cargo capacity | 1,536 litres | |
| Towing capacity | 2,000 kg | 1,500 kg |
| Tongue weight limit | 100 kg | |
| Roof load maximum | 75 kg | |

Wheels, tyres, brakes, suspension

| | Long range Dual motor | Long range Single motor |
|--------------------------|--|---|
| Wheels, standard | 20-inch cast alloy | |
| Wheels, optional | 21-inch cast alloy or 21-inch forged alloy | |
| Wheels, Performance Pack | 22-inch forged alloy | |
| Tyres, standard | 255/50R20 Pirelli P Zero (Europe) Pirelli Scorpion A/S (North America) | |
| Tyres, optional | 255/45R21 Michelin Pilot Sport 4 EV (Europe) Michelin Primacy A/S (North America) | |
| Tyres, Performance Pack | 265/40R22 Pirelli P Zero (all markets) | |
| Brakes, standard | 364 mm (front) and 350 mm (rear) ventilated discs | |
| Brakes, Performance Pack | Brembo 4-piston callipers, 392 mm ventilated discs (front) Standard single-piston, 364 mm ventilated discs (rear) | Not available |
| Suspension, front | 4-link | |
| Suspension, rear | Integral link | |
| Damping | Semi-active dampers and coil springs | High-capacity passive dampers with coil springs |

Full specification with standard and optional equipment to be published in detail at launch in 2024.