

# 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.