

Polestar 1 – Technical Data

Chassis and Body

Body Type	Carbon fiber reinforced polymer body, steel floor
Wheels	21" alloy
Tires	Pirelli P Zero Front: 275/30 R21 Rear: 295/30 R21
Brakes	Akebono 6-piston calipers (front) / 4-piston calipers (rear)
Discs (front and rear)	15.7" x 1.5" and 15.4" x 1.0"
Turning Circle	Curb to curb: 37.4 ft.
Suspension	Öhlins® + double wishbone (front) / integral link (rear)

Engine

Type	2-liter in-line 4-cylinder, supercharged and turbocharged
Maximum Power	326 hp at 6,000 rpm 619 hp (combined with all motors – North American spec only)
Maximum Torque	520 Nm at 2,600-4,200 rpm (384 lb.-ft.) 1000 Nm combined with all motors (738 lb.-ft.)
Maximum rpm	6,000 rpm

Electric Motors (2)

Type	2 rear axle electric motors + crank ISG
Power	2 x 85 kW at 3,300-8,500 rpm (232 hp)
Torque	480 Nm < 3,300 rpm (354 lb.-ft.)
Electric range	78 miles (WLTP Cycle, Final EPA testing not yet performed)

C-ISG (Crank – Integrated Starter Generator)

Power	52 kW (71hp) at 3,500 rpm
Torque	161 Nm (119 lb.-ft.) at 500-2,500 rpm

Transmission

Type	FWD with rear electric motor
Gearbox	8-speed automatic gearbox
Modes	Pure electric drive, hybrid, AWD, power
Gear Ratios	1: 5.250, 2: 3.029, 3: 1.950, 4: 1.457, 5: 1.221, 6: 1.000, 7: 0.809, 8: 0.673, Reverse: 4.015

Battery and Charging

Type	High-voltage Li-Ion 348V 102Ah, 34kWh arranged in 2 packs
Charging Capability	AC: Up to 11kW (1 or 3 phase) DC: Up to 50kW (USA or Europe only)
Placement	Floor, centrally in the tunnel of the car and over rear axle
Charging Time	Less than one hour @ 50kW

Performance

Speed	Combined: 155 mph
Acceleration	0-60 mph (combined, electric): 4.2 seconds

Dimensions and Weight

Wheelbase	107.9"
Length	180.5"
Height	53.2"
Body Width	77.1" (excluding mirrors), 81.5" (including mirrors)
Track Width	64.8" (front), 65.2" (rear)
Overhang	35.9" (front), 38.1" (rear)
Ground Clearance	5.6"
Head Room	38" (front), 33.3" (rear)
Shoulder Room	56.3" (front), 49.7" (rear)
Hip Room	55.1" (front), 43.3"
Leg Room	42.0" (front), 20.9" (rear)
Curb Weight	2350 kg/5,170 lb
Weight Distribution	48% (front), 52% (rear)

Capacities

Fuel Tank	15.9 gallons
Luggage Compartment	125 liters (4.41 cubic feet)

Standard Equipment

Electronic Climate Control, 2-Zone CleanZone With Pre-Ventilation + Multifilter	Carbon Fiber Decor Inlays
Full Parking Climate	Charcoal Headlining
Heated Front Seats	Polestar Leather Steering Wheel
Windscreen washers (Heated Aquablades)	Gear Shift Paddles
Heated Steering Wheel	Crystal Gear Lever Knob
Alarm System	Sport Pedals
Interior Alarm Motion Sensor	Textile Floor Mats, Front
Double Locking Door Locks	Net Pocket Tunnel Consol, Passenger
Alarm Inclination Sensor	Tyre Repair Kit
Lockable Glovebox	Jack
Private Locking	Soft Close For Boot Lid
Polestar Key Remote	First Aid Kit
Keyless Entry With	Warning Triangle
Handsfree Boot Lid Opening	12V Power Outlet, Luggage Area
Lock Switch For Front Doors	Colour Adapted Rear View Mirror Covers
Laminated Side Windows	Automatically Dimmed Interior & Exterior Mirrors
Nappa Leather Sport Seats	LED Active Bending Headlights With Cornering Lights
Power Driver Seat With Memory	Headlight High Pressure Cleaning
Power Passenger Seat With Memory	Interior Illumination
4-Way Power Adjustable Lumbar Support	Adjustable Speed Limiter
Mechanical Cushion Extension, Front Seats	Pilot Assist
Fixed Rear Seat	Adaptive Cruise Control
Fixed Rear Headrests	Collision Mitigation Support, Front Lane Keeping Aid
	Blind Spot Information System

Polestar

& Cross Traffic Alert
Collision Warning And Mitigation Support,
Rear
360° Camera
Hill Start Assist
Rainsensor
Storage Bag For Charge Cord
Airbag, Driver & Passenger
Knee Airbag, Driver Side
SIPS Airbags
Inflatable Curtains
Whiplash Protection, Front Seats
Cut-Off Switch, Passenger Airbag
Intelligent Driver Information System
(IDIS)

Premium Sound, Bowers & Wilkins
12,3 Inch Driver Display
Full Graphical Head Up Display
2 USB Connectors, Front
Navigation – Pro
Road Sign Information, RSI
Polestar Connected Services
Car Play – Android Auto
Digital Audio Broadcasting, DAB
Polestar Performance Chassis
20" Front Disc Brakes
20" Rear Disc Brakes
Lockable wheelbolts
Tyre Pressure Monitoring System, TPMS