



Polestar 3 Long Range Single Motor (2024-...) (Europe)

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General Info

Years of Production	2024 -
Market Availability	EU, USA
Country of Manufacture	USA, China
Current Status	Produced
Body Style	SUV
Price Europe (New/Used)	€78590/No data

Range and Efficiency

Range EPA	563 km
Range WLTP	650 km
Range GCC	544 km
Battery (Usable/Nominal)	107/111 kWh
Efficiency (Energy/Range)	19.7 kWh/100 km
Efficiency (Range/Energy)	5.08 km/kWh

Charging

Architecture	400 V
Max AC Charging	11 kW
Max DC Charging	250 kW
Charge Port	CCS Type 2

Performance

Drive Type	RWD PMSM
Motor (Power/Torque)	220 kW (295 hp)/490 Nm
Acceleration 0-100 km/h	7.8 s
Top Speed	180 km/h

Dimensions

Length	4900 mm
Width (with Mirrors/no Mirrors)	2120/1968 mm
Height	1627 mm
Wheelbase	2985 mm

Cargo and Towing

Number of Seats	5
Curb Weight	2403 kg
Cargo Volume (Trunk/Max/Frunk)	484/1411/32 l
Towing Capacity	1500 kg

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About Polestar 3 Long Range Single Motor (2024-...)

Overview

The 2025 Polestar 3 Long Range Single Motor slides into the premium electric SUV scene, offering a compelling blend of Scandinavian cool and impressive electric performance. This rear-wheel-drive variant focuses on maximising range and efficiency, making it a smart choice for long-distance cruising. With its sleek lines and tech-laden cabin, it's a serious contender for those eyeing a sophisticated family EV. Expect to see it priced around €78,590 in Europe, ready to electrify your journeys with distinctive Polestar flair and a focus on what truly matters: a great drive.

What's New for 2025?

For 2025, the big news for the Polestar 3 lineup is the wider availability of this cracking Long Range Single Motor version. Previously, the 3 launched with dual-motor AWD power, but this variant brings a more range-focused, rear-wheel-drive option to the table. It shuffles the Polestar 3's cards, offering a slightly different flavour of performance aimed at efficiency seekers without skimping on that minimalist Polestar charm or cutting-edge tech. It's all about giving buyers more choice in how they want their Swedish electric beast configured for European roads.

Design & Exterior

The Polestar 3 Long Range Single Motor is a proper head-turner, boasting that signature clean, minimalist Scandinavian design language. It's a big, handsome SUV, stretching 4900 mm long, 1968 mm wide (excluding mirrors), and standing 1627 mm tall. You'll spot the distinctive 'Thor's Hammer' LED headlights, a flush grille area contributing to its slippery aero, and typically stylish alloy wheels that complete its purposeful stance. This isn't just transport; it's a design statement on wheels, looking sharp and sophisticated from every angle, with an undeniably premium air.

Interior, Tech & Cargo

Step inside the Polestar 3 Long Range Single Motor, and you're greeted by a cabin that's pure Scandi-chic – minimalist, airy, and packed with sustainable, high-quality materials. There's ample room for five, with impressive comfort. Tech-wise, a massive central touchscreen running Android Automotive OS dominates, flanked by a sleek digital driver display; Apple CarPlay and Android Auto are standard. For your gear, you get a useful 484-litre boot, expanding to a whopping 1411 litres with seats down, plus a handy 32-litre frunk for charging cables or smaller bits.

Performance & Driving Experience

This Polestar 3 isn't just about looks; the Long Range Single Motor delivers a smooth and refined punch. Its single Permanent Magnet Synchronous Motor sends 220 kW and a hefty 490 Nm of torque to the rear wheels, getting you from 0-100 km/h in a respectable 7.8 seconds and topping out at 180 km/h. Being rear-wheel drive, it offers a more engaging driving feel. Expect a composed ride, precise steering, and strong regenerative braking with one-pedal drive capability for effortless city cruising and efficient open-road motoring.

Range, Battery & Charging

The Long Range Single Motor packs a substantial 107 kWh usable battery, translating to a Green Cars Compare calculated 'real-world' range estimate of around 544 kilometres – plenty for serious road trips! Efficiency is a commendable 5.08 km/kWh. Charging via its CCS Type 2 port, the standard 11 kW AC onboard charger will fill it up overnight. Find a potent DC fast charger, and it can guzzle electrons at up to 250 kW on its 400V architecture, zapping the battery quickly. Vehicle-to-Load (V2L) capability adds a practical touch for powering external devices.

Safety & Driver-Assistance Features

Safety is paramount in the Polestar 3, and it proudly wears a 5-star Euro NCAP rating from 2024 tests. This Long Range Single Motor variant comes loaded with a comprehensive suite of standard driver-assistance systems. Expect features like adaptive cruise control to take the strain out of motorway slogs, lane-keeping assist to keep you centered, blind-spot monitoring for safer lane changes, and a host of collision avoidance technologies. Polestar's Pilot Assist often bundles these into a very capable semi-autonomous driving experience, making every journey safer and more relaxed.

Warranty & Maintenance Coverage

Polestar backs the 3 Long Range Single Motor with a solid warranty package for peace of mind. Typically, you'll get a comprehensive vehicle warranty for around 3 years or 100,000 kilometres. The crucial battery pack is covered for a lengthy 8 years or 160,000 kilometres, guaranteeing at least 70% of its original capacity. Many European markets also benefit from complimentary scheduled maintenance for the first few years, sweetening the ownership deal. Polestar's build quality generally inspires confidence for a reliable, fuss-free electric motoring experience.

How powerful is it? How fast does it accelerate?

The Polestar 3 Long Range Single Motor (2024-...) is equipped with a powertrain that delivers up to 220 kW (295 hp) of power and 361 lb-ft of torque.

This enables a 0 to 60 mph acceleration in 7.5 seconds ([Nº59 out of 120 ranked positions](#), among 999 electric vehicles, with some cars sharing positions) and a top speed of 112 mph.

How far can it go on single charge? What is the real-world range?

The estimated real-world range for Polestar 3 Long Range Single Motor (2024-...) is 338 miles, ranking it [Nº44 out of 268 ranked positions](#). Several conditions can influence this range:

- Speed: The battery drains faster at higher speeds.
- Temperature: Extreme temperatures can impact range.
- Terrain: Range is reduced on hilly or mountainous terrain.
- Driving style: Aggressive driving behaviors, such as frequent acceleration and braking, decrease efficiency.
- Feature utilization: Climate control and media system usage also affect range.

These figures are approximations, and your actual driving range may vary. When planning trips, consider these factors and be prepared for potential charging stops.

For trip planning assistance, utilize the [EV Navigation interactive map](#).

What charging options are available? How long does it take to charge it?

The Polestar 3 Long Range Single Motor (2024-...) in the USA is equipped with a CCS Type 1 charging port. You can charge it conveniently at home using a standard outlet, or utilize any public AC charging station with the appropriate cable. However, the car's built-in charger (inverter) limits the maximum AC charging speed to 11 kW, which translates to roughly 31 miles of range added per hour.

For faster charging, use DC fast-charging stations. The Polestar 3 Long Range Single Motor (2024-...) supports a maximum DC charging rate of 250 kW, but it's important to note that battery temperature and current charge level can affect the actual charging speed you'll experience.

To estimate charging time, rate, and cost, you can use [EV Charging Calculator](#).

How big is it? What are the dimensions (length, width, height)?

Polestar 3 Long Range Single Motor (2024-...) comes in the following dimensions:

- Length: 192.9 in
- Width: 83.5 in (including side mirrors) or 77.5 in (excluding side mirrors)
- Height: 64.1 in
- Wheelbase: 117.5 in (distance between the center of the front and rear wheels)
- Curb weight: 5298 lbs (weight of the empty car, no people or cargo)

How much cargo space does it offer? Does it have a front trunk?

Behind the rear seats of the Polestar 3 Long Range Single Motor (2024-...), you'll find 17.1 cubic feet of storage space (**Nº91 out of 169 ranked positions**, among 999 electric vehicles, with some cars sharing positions).

Folding down the rear seats expands the total cargo capacity to 49.8 cubic feet (**Nº116 out of 204 ranked positions**, among 999 electric vehicles, with some cars sharing positions).

Frunk capacity: The front trunk is called a "frunk", and it offers an additional 1.1 cubic feet for storing small items.

Is it suitable for towing? What is the maximum towing capacity?

The Polestar 3 Long Range Single Motor (2024-...) can safely tow up to 2000 lbs, provided that the trailer has its own braking system.

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