

Porsche doubles the size of the model range for the all-electric Macan

16/07/2024 Porsche has doubled the size of the model range for its first all-electric SUV.

While the focus for the rear-wheel-drive Macan was primarily on high efficiency and range, the new Macan 4S will fill the gap between the Macan 4 and the Macan Turbo. Like the models introduced at the start of 2024, the 4S is equipped with the electronically controlled Porsche Traction Management (ePTM) system, which distributes the drive power between the front and rear axles around five times faster than a conventional all-wheel-drive system.

Macan: 100 kWh battery and highly efficient power electronics

The new Macan entry model to the all-electric SUV world of Porsche also gets its energy from a high-voltage battery with a gross energy content of 100 kWh. Propulsion is provided exclusively by the rear-

axle motor that is used in the Macan 4, with a diameter of 210 millimetres, an active length of 200 mm and output of 250 kW (340 PS).

The electric motor has a 480-amp pulse inverter (PWR) in which the highly efficient semiconductor material silicon carbide (SiC) is used to provide higher efficiency. It significantly reduces switching losses in the PWR and enables higher switching frequencies.

In combination with Launch Control, the Macan produces up to 265 kW (360 PS) of overboost power, and the maximum torque is 563 Nm. From a standing start, the car reaches the 100 km/h mark in 5.7 seconds and has a top speed of 220 km/h for the track. By foregoing all-wheel drive, the Macan is 110 kilograms lighter than the Macan 4 and therefore requires less electricity for propulsion. This results in a combined range of up to 654 km^.

Macan 4S: powerful electric motors and PASM as standard

The Macan 4S has a new rear-axle motor and a powerful 600-amp SiC pulse inverter. The electric motor has a diameter of 230 millimetres and an active length of 150 millimetres. Together with the front-axle motor also used in the Macan 4 and the Turbo, this results in a system output of 330 kW (448 PS) with a short power overboost of up to 380 kW (516 PS). With Launch Control, the maximum torque is 820 Nm.

The performance figures are correspondingly impressive: with Launch Control, the Macan 4S accelerates from 0 – 100 km/h in 4.1 seconds and has a top speed of 240 km/h for the track. It has a combined range of up to 619 km^. The Macan 4S is equipped with Porsche Active Suspension Management (PASM) electronic damping control as standard. Optional equipment such as the adaptive air suspension with levelling system and height adjustment, the Porsche Torque Vectoring Plus (PTV Plus) and the rear-axle steering allow the chassis to be further optimised for increased performance and comfort.

The two new models have all the qualities of the second generation of the Macan, including the progressive, timeless design with range-optimised aerodynamics (cw = 0.25). The 800-volt architecture of the Premium Platform Electric (PPE) enables a DC charging capacity of up to 270 kW. The high-voltage battery can be charged from 10 to 80 per cent within around 21 minutes^^ at a suitable fast-charging station.

New colour, new wheels

A new exterior colour, Slate Grey Neo, is now available for all Macan models. A 20-inch Macan S wheel has been added to the wheel portfolio. The off-road design package is also optionally available for all models, further improving the everyday usability of the Macan. Rough dirt roads and particularly steep climbs and descents can be mastered even more easily than before. The altered geometry of the front

bumper has increased the approach angle to up to 17.4 degrees, depending on the model (with the air suspension at a specifically raised level). In combination with the adaptive air suspension, the off-road design package also increases the ground clearance by 10 mm to 195 mm at the normal setting.

Porsche offers the package in two colours: in Vesuvius Grey and in the exterior colour. The front bumper, side skirts, diffuser panels and roof railings are then painted accordingly. Matching 21-inch off-road design wheels in Vesuvius Grey are also offered. For customers who pick the off-road design package variant in the car's exterior colour, the side blades are also painted in the same colour. The roof railings can be ordered in Black, Silver or Turbonite (Turbo only).

For the Macan, Macan 4 and Macan 4S, the off-road front bumper with an inlay in Vesuvius Grey is also available separately. The approach angle increases as with the off-road design package.

Porsche Driver Experience with new design and new function

With the electrification of the Macan, Porsche has introduced a completely new display and control system into its successful SUV model. The Porsche Driver Experience offers a mix of digital and analogue elements. These include an instrument cluster with a 12.6-inch curved display, a 10.9-inch passenger display, ambient lighting with a communication light, and an optional head-up display with augmented reality technology. Porsche has once again completely upgraded the design of the screens for all Macan models. It now comprises an emotional welcoming animation, an updated state-of-the-art look, and the new Themes app which can be used to adjust the background colour of the displays and the ambient lighting to match the exterior colour, with twelve colours to choose from.

Australia

In Australia, the updated Macan range will be additionally fitted with the following features as standard:

All models

- Tyre fit set
- Privacy glass
- Porsche Entry (comfort access)
- Adaptive Cruise Control
- Lane Change Assist
- Surround View with Active Parking Support
- Side airbags in rear compartment

- Digital radio
- Electric charging cover
- Rear wiper (No-Cost Option)

Select models

- Porsche Active Suspension Management (PASM) (Base and 4 only, already standard on 4S and Turbo)
- Automatically dimming interior and exterior mirrors (Base, 4 and 4S only, already standard on Turbo)
- Power steering Plus (Base, 4 and 4S only, already standard on Turbo)
- 14-way Comfort seats including memory package (Base, 4 and 4S only, No-Cost Option on Turbo)
- LED matrix main headlights (4S only, already standard on Turbo)
- BOSE Surround Sound System (4S only, already standard on Turbo)
- Exterior colour inclusive up to the Dreams range (4S only, already standard on Turbo)
- Panoramic roof system (4S and Turbo only)
- 4-zone Advanced climate control (4S and Turbo only)
- Porsche Electric Sport Sound (Turbo only)
- Sport Chrono Package (Turbo only)
- 21-inch Macan Turbo wheels painted in Black (high-gloss) (No-Cost Option on Turbo only)

The two new Macan models are available to order now and are expected to be delivered to customers from the first half of 2025. The Macan model range pricing appears below:

- Macan: $128,400#
- Macan 4: $134,400#
- Macan 4S: $149,300#
- Macan Turbo: $184,400#

Info

^ The published kilometre (km) range figures are determined by Porsche AG testing in accordance with ADR 81/02 on test vehicles. Actual figures will vary as they are dependent on many factors, including

without limitation: individual driving style, road and traffic conditions, environmental conditions, fuel quality, a vehicle's or battery's condition, load and use. Extra features and accessories (eg: equipment, wheels or tyres used etc.) can change relevant vehicle parameters such as weight, rolling resistance and aerodynamics and can also affect the consumption, emission, range and performance values of a vehicle. CO_2 emissions can also be generated at the power source when vehicles are being recharged, unless 100% renewable energy is used. Generally, kilometre range and charging times will vary from the published figures in real world Australian driving and charging conditions.

^^ The specified charging outputs and times (hour/minutes) are dependent on various factors: in general, the charging output and time can vary due to physical and chemical limits, depending on factors such as the available output of the country-specific energy infrastructure, the customer's own domestic installation, the temperature, interior pre-conditioning and charging status, as well as the age of the battery. Charging times may therefore be significantly higher than those specified. To achieve the optimum value of the specified DC charging time (DC = direct current) for a charge status increase from 10 to 80%, a CCS (combined charging system) fast-charging pedestal with the maximum DC charging power of the vehicle and greater than 850V is required, as well as a battery temperature of 30°– 35°C. The charging status when commencing charging must not exceed 10%. For physical and chemical reasons, the charging speed decreases as the battery approaches its full capacity. Therefore, it usually makes sense to use fast DC charging to charge the battery up to 80% or up to the required range. The predominant use of CCS fast charging pedestals leads to a long-term increase in charging times. For regular fast DC charging, we recommend a maximum charging output of 50kW. When charging in a domestic environment, AC charging (AC = alternating current) is recommended. Using an (AC) industrial electrical outlet will result in improved efficiency and a much shorter charging time compared to using a household socket.

A lithium-ion battery is subject to physical and chemical ageing, as well as wear and tear. This reduces the battery capacity, depending on the usage pattern and environmental conditions, resulting in a reduction in range and an increase in charging times as the battery ages. Due to the effect of temperature on battery and charging performance, as well as battery life, please consider the following when parking, driving and charging your car:

- if possible, avoid permanent ambient temperatures of over 30°C, such as prolonged parking in direct sunlight. If you cannot avoid ambient temperatures of over 30°C when stationary, connect the vehicle to the mains supply after use and charge the high-voltage battery with AC (alternating current) to a maximum charge status of 85%;
- if the car is left stationary for more than two weeks, the ambient temperature should, if possible, be between 0°C and 20°C and the battery charge status maintained between 20% and 50% during this time;
- for the shortest possible charging time, a battery temperature of approx. 30°C to 35°C is ideal. If charging the car on a daily basis, the maximum charge status of the high-voltage battery should be set to approx. 80%.

Price is the recommended retail price before statutory on-road and dealer delivery charges, which vary from State to State and between dealers. Driveaway pricing is available via the Porsche Car Configurator at Porsche.com.au. All prices shown are based on a standard specification vehicle with no optional equipment (unless otherwise selected). Final prices may vary from dealer to dealer and according to individual circumstances. Prices are subject to change without notice. Please contact an Official Porsche Centre to obtain specific information about prices, vehicles and features.

Consumption data

Macan 4S (WLTP)*: Electrical consumption combined: 20.5 – 17.7 kWh/100 km; CO_2 emissions combined: 0 g/km; CO_2 class: A

Macan (WLTP)*: Electrical consumption combined: 19.4 – 16.7 kWh/100 km; CO_2 emissions combined: 0 g/km; CO_2 class: A

*Further information on the official fuel consumption and the official specific CO_2 emissions of new passenger cars can be found in the "Leitfaden über den Kraftstoffverbrauch, die CO_2-Emissionen und den Stromverbrauch neuer Personenkraftwagen" (Fuel Consumption, CO_2Emissions and Electricity Consumption Guide for New Passenger Cars), which is available free of charge at all sales outlets and from DAT (Deutsche Automobil Treuhand GmbH, Helmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen, www.dat.de).

Video

https://newstv.porsche.com/porschevideos/290831_en_3000000.mp4

Link Collection

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https://newsroom.porsche.com/en_AU/2024/products/porsche-macan-electric-and-macan-4s-electric-36842.html

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