

Products 28/10/2020

Greater battery capacity for the Cayenne E-Hybrid models

Porsche has increased the battery capacity of all its Cayenne plug-in hybrid models.



The gross capacity of the high-voltage battery is now 17.9 kWh rather than 14.1 kWh, which will result in an increase in the overall electric range.

The purely electric powertrain in all plug-in hybrid Cayenne models, including the even sportier coupé version, comprises an electric motor integrated into the eight-speed Tiptronic S automatic transmission. This powertrain delivers an output of 100 kW / 136 PS* (horsepower) and 400 Nm, generating a purely electric top speed of 135 km/h.

Any increased power demand from the driver or switching to the Sport or Sport Plus driving modes activates the internal combustion engine in each model. In the Cayenne E-Hybrid, this is a three-litre V6 turbo with an output of 250 kW / 340 PS* (horsepower), which contributes to a system performance of 340 kW / 462 PS* (horsepower). The Cayenne Turbo S E-Hybrid models feature a 404-kW / 550 PS* (horsepower), four-litre V8 bi-turbo engine, meaning that the hybrid system as a whole has a power output of 500 kW / 680 PS* (horsepower).

Optimised driving modes for greater efficiency

The driving modes of the standard Sport Chrono Package have been optimised to further improve efficiency and performance. E-Charge mode, in which the internal combustion engine charges the battery via load point shifting during a journey, now links to an adjusted charging strategy: The target state of charge of the battery has been reduced from 100 to 80 per cent. Much like a smartphone battery, the battery charges much more slowly when the battery's state of charge reaches approximately 80 per cent or more.



This strategy also provides a way of ensuring that full recuperation power is available at all times. E-Charge mode is therefore even more efficient than it was before. In the performance-oriented Sport and Sport Plus modes, the battery is always charged to a minimum level to provide sufficient boost options for a sporty driving style, and it is now charged even more effectively at a higher, consistent charging power – at an average of 12 kW on the Cayenne Turbo S E-Hybrid in Sport Plus mode, for example.

Intelligent charging with the Porsche Mobile Charger Connect

Most drivers charge their vehicles at home so a conventional domestic or industrial electrical socket is sufficient for charging all Porsche plug-in hybrid models.

Depending on the vehicle model, a charging power of up to 7.2 kW can be achieved with the Porsche Mobile Charger Connect. Using a Mode 3 charging cable, it is also possible to charge at public charging points or at Porsche Destination charging stations.

The Mobile Charger Connect offers several intelligent charging functions: A timer ensures that the vehicle is ready by the specific time that the driver plans to set off, assuming the minimum charge time is available. In addition to a predefined charging target, specific air conditioning options can be selected.



The Cayenne Turbo S E-Hybrid Coupé

The range of functionality is extended even further in conjunction with the optional Home Energy Manager: This system looks at the total energy consumption of the driver's home to determine the maximum charging power that can be generated without overloading the domestic connection. All functions can be controlled via the Porsche Connect# App as required.

The new Cayenne E-Hybrid models are available to order now and are scheduled to arrive in Australia in the Q1 of 2021.

* PS (PferdeStärke, German for horsepower) is the standard unit used in the European Union to measure the power output of a motor in

'metric horsepower'

#The Porsche Connect range varies according to model and country availability. The information on this page is intended to provide you with a general overview. For service availability in your vehicle, log into the Connect Store (connect-store.porsche.com) with your Porsche ID or contact an Official Porsche Centre.

Link Collection

Link to this article

https://newsroom.porsche.com/en_AU/2020/products/porsche-cayenne-e-hybrid-models-higher-capacity-high-voltage-battery-22720.html

Media Package

<https://newsroom.porsche.com/media-package/5c1ba885-2a0f-4e39-8d7a-970d4c3a15c8>