

Products 04/09/2019

World premiere of the Taycan: Sports car, sustainably redesigned

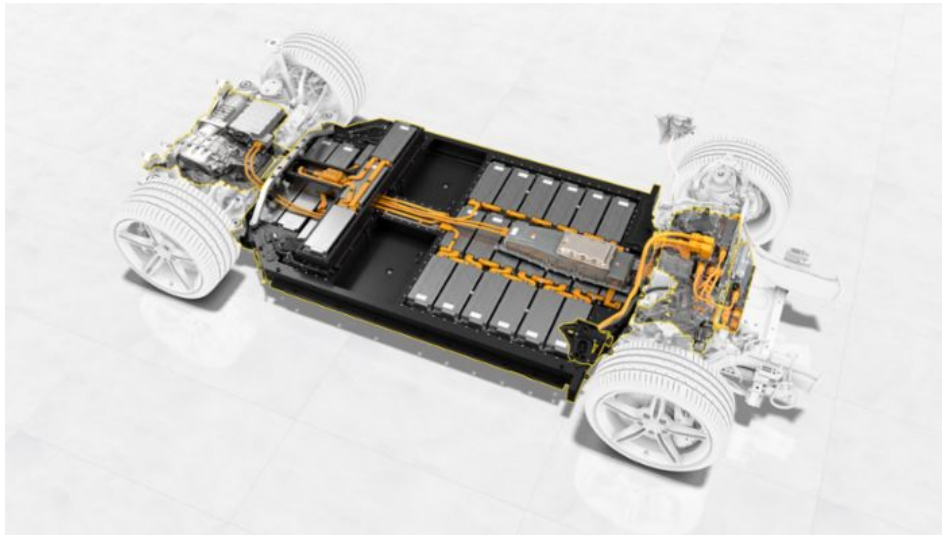
Porsche presented its first fully-electric sports car to the public today with a spectacular world premiere held simultaneously on three continents.



"The Taycan links our heritage to the future. It carries forward the success story of our brand – a brand that has fascinated and thrilled people the world over for more than 70 years," said Oliver Blume, Chairman of the Executive Board of Porsche AG, who opened the world premiere in Berlin: "This day marks the start of a new era."

The four-door sports saloon is a unique package, offering typical Porsche performance and connectivity with everyday usability. At the same time, highly advanced production methods and the features of the Taycan are setting new standards in the fields of sustainability and digitalisation. "We promised a true Porsche for the age of electromobility – a fascinating sports car that not only excites in terms of its technology and driving dynamics, but also sparks a passion in people all over the world, just like its legendary predecessors have done. Now we are delivering on this promise," emphasises Michael Steiner, Member of the Executive Board of Porsche AG – Research and Development.

The Taycan is the first production vehicle with a system voltage of 800 volts instead of the usual 400 volts for electric cars. This is a particular advantage for Taycan drivers on the road: in just over five minutes, the battery can be recharged using direct current (DC) from the high-power charging network for a range of up to 100 kilometres (according to WLTP). The charging time for five to 80 percent SoC (state of charge) is 22.5 minutes for charging under ideal conditions, and the maximum charging power (peak) is 270 kW. The overall capacity of the Performance Battery Plus is 93.4 kWh. Taycan drivers can comfortably charge their cars with up to eleven kW of alternating current (AC) at home.



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Facts and Figures

Porsche Taycan Turbo S



Technical specifications

460 kW (625 PS) Power	560 kW (761 PS) Overboost power
1,050 Nm Maximum torque	260 km/h Top speed
2,295 kg Unladen weight according to DIN	270 kW Maximum charging power
26.9 kWh/100 km Combined electricity consumption	0 g/km CO ₂ emissions

Acceleration

0 – 60 mph	2.4 s
0 – 100 km/h	2.8 s
0 – 160 km/h	4.5 s
0 – 200 km/h	9.8 s

Range WLTP

>> 388 – 412 km

Dimensions

Width: 1,944 mm
Width with mirrors: 2,144 mm

Height: 1,375 mm

Wheelbase: 2,900 mm
Length: 4,762 mm

Track (width front): 1,495 mm
Track (width rear): 1,415 mm

Highlights

- >> 800-volt technology**
ensures a high continuous power, reduces the charging time significantly and decreases the weight.
- Two-speed transmission**
enables fast acceleration as well as a high end speed.
- >> Two permanently excited synchronous machines**
for highest power density and efficiency as well as maximum reproducibility of driving performance.
- C_g: from 0.25**
optimizes energy consumption and thus leads to a high range.

Porsche uses a centrally networked control system for the Taycan chassis. The integrated Porsche 4D Chassis Control analyses and

synchronises all chassis systems in real time. The innovative chassis systems include adaptive air suspension with three-chamber technology including PASM (Porsche Active Suspension Management) electronic damper control, as well as the Porsche Dynamic Chassis Control Sport (PDCC Sport) electromechanical roll stabilisation system including Porsche Torque Vectoring Plus (PTV Plus). The all-wheel drive control with two electric motors and the recuperation system are unique. At up to 265 kW, the potential recuperation power is significantly higher than that of competitors. Driving tests have shown that approximately 90 percent of everyday braking is performed by the electric machines alone – without the hydraulic wheel brakes being activated.

The profile of the different driving modes basically follows the same philosophy as in other Porsche model series. This is supplemented by special settings which enable optimum use of the purely electric drive. Four driving modes are available: "Range", "Normal", "Sport" and "Sport Plus". In addition, individual systems can be configured as required in the "Individual" mode.

A world premiere on three continents at the same time

Info

The Porsche Taycan Turbo S and Porsche Taycan Turbo are now available to order.

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