High-power charging trucks become mobile power sources

16/09/2020 From Track Experiences to the Ice Experience in Finland, the Taycan is now an integral part of Porsche's customer driving programmes. However, not everywhere provides the adequate infrastructure for charging the electric sports car en masse. Meet Porsche's innovative solution: a fleet of stand-alone, high-power charging trucks that offer mobile charging on demand.

The Hungaroring in Budapest was the venue for a special Porsche Track Experience just a few days ago, where "Soul on Track" offered customers the opportunity to test the Taycan on a circuit. Such driving events present organisers with a particular challenge, however: when a large number of Taycan cars need to be charged quickly and simultaneously, the local infrastructure isn't always up to the job. Without a satisfactory solution on the market, Porsche wasted no time in creating its own. Along with its partner in the project – the German company "ads-tec" – it has produced seven mobile charging trucks with a proprietary charging system and buffer storage unit.

One energy storage unit for up to 30 Taycan cars

The trailers' technical specifications speak for themselves. With a power rating of 3.2 megawatts, ten Taycan can be charged simultaneously at maximum speed. The battery buffer storage unit has a capacity of 2.1 megawatt hours. This means that up to 30 Taycan in total can be charged by the energy storage unit. The latter is generally recharged with renewable power from the power grid. For example, during a three-week customer event in the Portuguese city of Portimao in November 2019, the power came directly from the nearby photovoltaic systems. The trailers can be recharged very quickly – under good conditions, they are fully charged again within four hours.

"We have now used the trucks at numerous events all over Europe and have carried out around 5,000 charging operations – sometimes at extreme temperatures down to minus 40 degrees. Their performance has therefore been tried and tested," says Ragnar Schulte, Director Experiential Marketing at Porsche.

Experience the Taycan

Customers can experience the Taycan for themselves as part of the Porsche Experience events. As of the 2020 season, the first all-electric Porsche is now firmly established in the driving programme of the Porsche Track Experience, where it is used in the E-Warm-up training, for example. In the Porsche Ice Experience, it features in both the "Ice Experience" and "Ice Force" levels. For more information, please visit: www.experience.porsche.com/en/home

Consumption data

Taycan Turbo S (2023)
Fuel consumption / Emissions

WLTP*
Electric power consumption* combined (WLTP) 23.4 – 22.0 kWh/100 km
CO emissions* combined (WLTP) 0 g/km
CO2 class A Class

*Further information on the official fuel consumption and the official specific CO emissions of new passenger cars can be found in the "Leitfaden über den Kraftstoffverbrauch, die CO-Emissionen und den Stromverbrauch neuer Personenkraftwagen" (Fuel Consumption, COEmissions 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).

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