Porsche Charging Planner and Porsche Intelligent Range Manager: Intelligent range optimisers

04/09/2019 The Porsche Charging Planner (availability is country-dependent) provides highly intelligent control of the charging process for on the road when it comes to fast charging.

As soon as route guidance is active, the system assists the customer to travel in a relaxed manner and without unnecessary loss of time, even over long distances.

First, the navigation system calculates the fastest or shortest route, taking into account real-time traffic information. If the calculated charging status at the destination is less than 13 per cent, the Charging Planner takes charging stops into account in order to also ensure a minimum range at the destination. In Range mode, the value is six per cent. This exploits the range potential even further in order to avoid the need to stop and recharge.

The planning takes into account the power available at the stations and the resulting charging time for the optimum charging range of up to 80 per cent. Stations that are not directly on the route are also taken into account. This means that stations with higher capacities can be preferred, and the overall travel time can be further optimised. The respective charging times are taken into account for specification of the arrival time.

In order to make optimum use of the available maximum charging capacity, the system also regulates the preconditioning of the battery in good time before the charging stop. The Charging Planner is active throughout the entire route guidance process and continuously optimises the planned route, including charging stops, taking into account real-time traffic information. The Porsche Connect package for the Taycan includes the online functionality required for the Charging Planner for three years (country-specific).

Thanks to locally stored database entries, the Charging Planner can also make recommendations for charging stops offline.

The Charging Planner is also available in the Connect app for further convenience. This makes it easy to plan your trip in advance at home and transmit it to the vehicle.

Porsche Intelligent Range Manager

As an option, the range of functions of the Charging Planner can be extended with the Porsche

Intelligent Range Manager. When route guidance is activated, the Charging Planner always acts in the background and once again optimises all the system parameters in order to achieve the shortest travel time with maximum comfort.

In the Normal, Sport, Sport Plus and Individual driving modes, the Porsche Intelligent Range Manager automatically optimises the route if the destination can be reached more quickly by making fewer charging stops while at the same time limiting the maximum speed, for example. The calculation runs automatically in the background. The alternative route is suggested for activation and can also be called up under “Alternative routes” in the Porsche Communication Management (PCM).

If the driver confirms the route, the Taycan automatically switches to the Range driving mode. In this way, routes with shorter journey times can be determined, particularly for long-distance journeys with charging stops.

In Range driving mode, the Porsche Intelligent Range Manager automatically changes the speed limit and the climate mode as required. While this allows the most economical driving possible in conjunction with the manual speed limitation and air conditioning settings, the Porsche Intelligent Range Manager dynamically optimises the routes on the basis of routing, topography, speed and traffic information. In this way the travel time can be kept to a minimum without sacrificing comfort.

Additional content

Sports cars, redesigned with sustainability in mind. The first all-electric sports car, the Taycan, marks the beginning of a new era for Porsche as the company systematically expands its product range in the field of e-mobility. An overview.

MEDIA ENQUIRIES



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Consumption data

Taycan Turbo (2023)
Fuel consumption / Emissions

WLTP*
Electric power consumption* combined (WLTP) 23.6 – 20.2 kWh/100 km
CO emissions* combined (WLTP) 0 g/km
CO2 class A Class

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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