

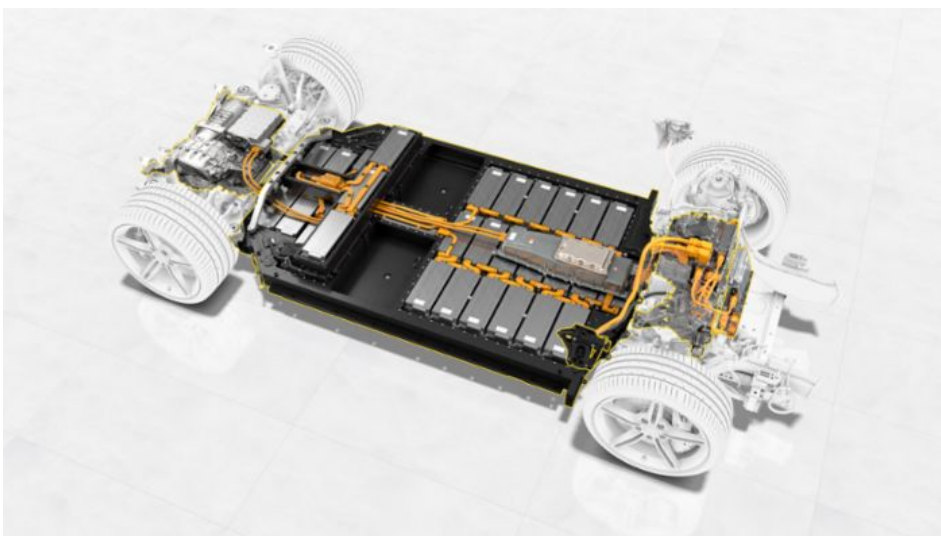
Innovation 16/03/2021

High-performance batteries with silicon anodes and Porsche fast-charging stations

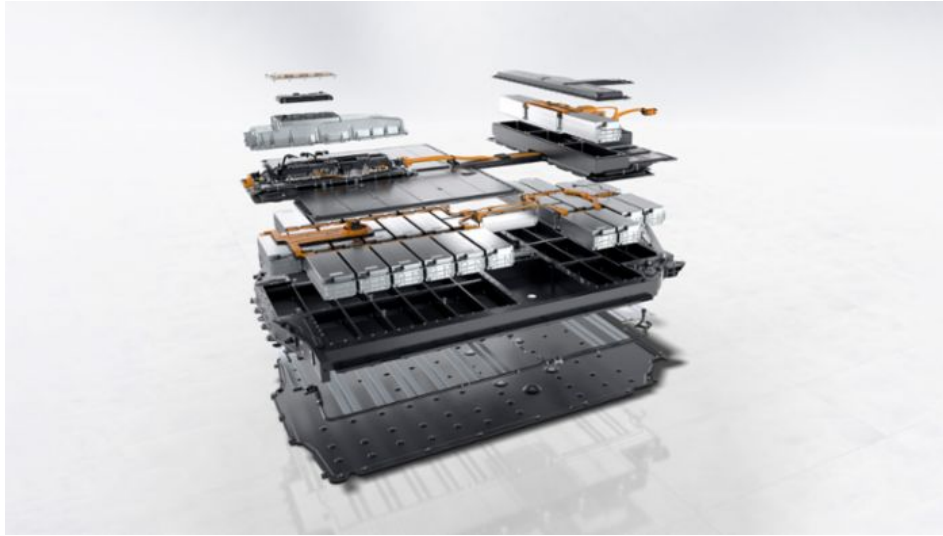
Porsche will continue to expand its battery expertise. The company made this announcement yesterday at the first Volkswagen Power Day.



Porsche is researching high-performance batteries with silicon instead of graphite anodes in order to achieve an even higher energy density and better fast-charging capability. The new batteries will be produced in Europe and initially used in limited-production, high-performance vehicles and in customer motorsport. Porsche is also planning its own fast-charging stations along the most important European major highways and motorways. These will offer Porsche customers a high-quality, brand-appropriate charging experience while complementing the existing Ionity network.



Innovative high-performance batteries with silicon anodes



"The battery cell is the combustion chamber of tomorrow," says Oliver Blume, Chairman of the Executive Board of Porsche AG. "Our electrified high-performance sports and racing cars place the highest demands on battery technology. To meet these demands, Porsche needs special high-performance cells. Silicon has big potential." This is because silicon enables a higher energy density and improves energy recovery as well as fast-charging capability. Porsche has already taken on a pioneering technological role in the development of 800-volt technology, first in the 919 Le Mans racing car and now in the Taycan electric sports car.

Plans for Porsche fast-charging stations with lounge areas

Porsche is planning its own fast-charging stations along the most important European major highways and motorways. These will offer customers a high-quality, brand-appropriate charging experience while complementing the Ionity network. A unique design will showcase the special character of the Porsche fast-charging stations to the outside world.

"An important prerequisite for electromobility is fast and convenient charging," says Blume. "That is why we are currently working on the details of a concept for our own fast-charging stations. We will select attractive locations for these in order to offer our customers the most comfortable and fastest long-distance travel experience possible." Each station will have between six and 12 charging points with a charging capacity of 350 kW and more. The charging process will be convenient and there will be a lounge area with innovative self-service facilities. Access will be controlled via smartphone

135,000 charging points of the Porsche Charging Service

The Porsche dealer network is also being comprehensively equipped with 350 kW fast-charging stations and more than 300 partners are already participating. Another highlight is the exclusive Porsche Destination Charging programme. In this, drivers of a Taycan or a plug-in hybrid model can charge their Porsche free of charge at what is currently 1,800 AC charging points in over 50 countries.

Link Collection

Link to this article

https://newsroom.porsche.com/en_AU/2021/innovation/porsche-volkswagen-power-day-research-high-performance-batteries-silicon-anodes-own-fast-charging-stations-23916.html

Media Package

<https://newsroom.porsche.com/media-package/deefa8ad-efa2-4c27-b8a4-c688c50ca73d>

Videos

<https://www.youtube.com/embed/vdnRfNwj1Fg>