



Vw solid state battery investment

Will Volkswagen have a solid-state battery production facility by 2025?

Volkswagen has announced that it aims to have a production facility for solid-state batteries by 2025. The announcement comes with the VW Group's \$1.75 billion investment in Californian battery technology company QuantumScape, following six years of collaboration with the firm.

Does Volkswagen have solid-state battery technology?

Volkswagen has signed a deal to mass-produce solid-state battery technology for its future lineup of electric vehicles. The technology comes from California-based battery company QuantumScape, which will license its formula to PowerCo, Volkswagen's internal battery division.

Could a solid-state battery boost Volkswagen e-Golf's range?

Solid-state battery technology, Volkswagen claims, would more than double the capacity compared with the brand's current lithium ion batteries, boosting the range of the Volkswagen e-Golf from its current 186 miles (NEDC) to 466 miles.

How many GWh can a Volkswagen battery produce a year?

Under the agreement, Volkswagen's battery unit PowerCo can manufacture up to 40 gigawatt-hours (GWh) per year using the QuantumScape technology, with an option to expand to 80 GWh, which is enough to equip approximately 1 million vehicles annually, they said. Solid-state batteries can hold more energy than current liquid electrolyte batteries.

Are Volkswagen batteries ready for mass production?

The batteries aren't quite ready for mass production and still require further testing. Volkswagen can only turn on the production line upon "satisfactory technical progress" and a \$130 million prepayment of royalties to QuantumScape.

Are solid-state batteries the future?

Solid-state batteries could also bring much higher electric range, faster charging, and improved safety. "We have been collaborating and testing QuantumScape prototype cells for years now and we are looking forward to bringing this technology of the future into series production," says PowerCo CEO Frank Blome.

Volkswagen, whose drive to develop a "solid-state" electric car battery with U.S. startup QuantumScape has been dogged by delays, is casting its net wider in pursuit of the potentially game ...

QuantumScape has made an agreement with Volkswagen to select the location of their joint-venture solid-state battery pilot-line facility by the end of 2021.

Solid-state battery developer QuantumScape has signed an agreement with PowerCo that gives the



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Volkswagen Group's battery arm a non-exclusive license to mass ...

The VW logo stands on the brand tower at the Volkswagen main plant. Germany's Volkswagen Group has concluded a licensing deal with US company QuantumScape that will allow VW to produce solid-state ...

Eager to put these advanced batteries in future VW models, PowerCo is investing \$131 million to accelerate the development of a QSE-5 battery pilot line, marking a ...

Last year, BMW announced its investment in solid-state battery company Solid Power, and aims to have solid-state-powered EVs on the road in 2025 - the same goal as Volkswagen.

The Volkswagen Group is going full steam forward with the development and commercialization of next-generation solid-state batteries for electric vehicles.

Volkswagen Canada is doubling down on the technology known as the "battery of the future" for electric vehicles, with an announcement that it eventually hopes to manufacture solid-state batteries at its new gigafactory in ...

Under an agreement announced on Thursday, Volkswagen's battery unit PowerCo will receive the licence to mass-produce battery cells based on QuantumScape ...

Under an agreement announced on Thursday, Volkswagen's battery unit PowerCo will receive the licence to mass-produce battery cells based on QuantumScape technology, pending technological...

A new agreement between VW-backed PowerCo and QuantumScape could finally bring the next-gen battery tech to market for higher electric range, faster charging, and ...

Volkswagen Group is making an additional investment of up to \$200 million in the U.S. solid-state battery specialist Battery technology of the future: greater range, shorter charging times ...

Volkswagen has reaffirmed its commitment to next-generation battery technology by significantly increasing its investment in solid-state battery.

SALZGITTER, Germany & SAN JOSE, Calif. -- July 11, 2024 -- Volkswagen Group's battery company PowerCo and QuantumScape (NYSE: QS) today announced they ...

LONDON/DETROIT (Reuters) --Volkswagen, whose drive to develop a "solid-state" electric car battery with U.S. startup QuantumScape has been dogged by delays, is casting its net wider in ...

In a bold step towards revolutionising electric mobility, German automaker Volkswagen has significantly expanded its investment in solid-state battery technology through ...



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Volkswagen is teaming up with battery developer QuantumScape to start mass-producing all-solid-state batteries (ASSBs) as it looks to ramp up the evolution of its EVs.

A new agreement between VW-backed PowerCo and QuantumScape could finally bring the next-gen battery tech to market for higher electric range, faster charging, and improved safety.

Volkswagen Group's battery company PowerCo and QuantumScape (NYSE: QS) today announced they have entered into a groundbreaking agreement to industrialize ...

The Volkswagen Group is increasing its interest and investment in solid-state batteries, one of the most important technologies that could change the entire electric car industry.

VW Group reveals results of tests of QuantumScape's solid-state battery cells, with cells showing 95% capacity over 1000 charging cycles.

Volkswagen is teaming up with battery developer QuantumScape to start mass-producing all-solid-state batteries (ASSBs) as it looks to ramp up the evolution of its EVs. The result? Likely increased ...

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