



Vw solid state battery news

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.

Did VW update a solid state battery deal?

The agreement superseded a joint venture between the two companies to co-manufacture batteries dating from 2018. "VW updates solid state battery deal" was originally created and published by Just Auto, a GlobalData owned brand. The information on this site has been included in good faith for general informational purposes only.

Is Volkswagen developing solid state batteries with QuantumScape?

Volkswagen reportedly has secured production of solid state batteries developed with US startup QuantumScape, opens new tab, both companies have said.

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.

How many batteries will VW make a year?

The agreement is that VW will use Quantum's platform to create around 40 gigawatt-hours (GWh) worth of batteries per year, with up to 80 possible in the future. That's enough for one million cars, by the way. Wowza. As for the batteries themselves, they're made of solid-state ceramic separators, which accept pure lithium-metal anodes.

Are solid-state batteries better than lithium-ion batteries?

VW has invested in solid-state battery developer QuantumScape since 2012. Solid-state batteries promise a number of advantages over traditional lithium-ion batteries currently used in many EVs from the standpoint of weight savings, energy density, thermal safety, and battery life.

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.

Will the advent of solid-state cells make EVs with lithium-ion battery packs obsolete, or will they simply become a less expensive alternative for budget cars? Let us know what you think.

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.

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

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To build future Volkswagen electric vehicles that travel further, charge faster, and operate safer than EVs powered by traditional lithium-ion batteries, the German ...

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