

What is QuantumScape battery technology?

QuantumScape is on a mission to transform energy storage with solid-state lithium-metal battery technology. The company's next-generation batteries are designed to enable greater energy density, faster charging and enhanced safety to support the transition away from legacy energy sources toward a lower carbon future.

Are QuantumScape batteries better than lithium-ion batteries?

VW Group reveals results of tests of QuantumScape's solid-state battery cells, with cells showing 95% capacity over 1000 charging cycles. The solid-state cell composition promises quicker recharging and long EV ranges, promising greater energy density than lithium-ion batteries.

How will QuantumScape's lithium-metal solid-state batteries work?

QuantumScape's lithium-metal solid-state batteries will charge faster, go farther, last longer and operate more safely than today's EVs and gas-powered vehicles -- bringing us closer to that lower carbon future. Do you want to help build one of the most critical parts of the future energy economy?

What is QuantumScape's next-generation lithium-metal battery technology?

The company's next-generation solid-state lithium-metal battery technology is designed to enable greater energy density, faster charging and enhanced safety to support the transition away from legacy energy sources toward a lower carbon future. For more information, visit [Forward-Looking Statements](#)

Is QuantumScape a solid-state battery?

"QuantumScape's solid-state cells significantly exceeded these specifications in the latest test," they reiterated, referring to the target of 700 charging cycles and a 20% maximum capacity loss for new battery cells at this particular stage of development.

Does QuantumScape make EV batteries?

In a public letter to shareholders posted on October 23, QuantumScape announced that it has begun producing B Samples of its new QSE-5 solid state EV battery cells, and shipping them to customers for testing.

The achievement was the last item on QuantumScape's list of goals for 2024, putting it on track to produce a higher volume of samples of its flagship commercial solid-state battery, the QSE-5.

QuantumScape is on a mission to revolutionize energy storage to enable a sustainable future. The company's next-generation solid-state lithium-metal battery technology is designed to enable greater energy density, faster charging and enhanced safety to support the transition away from legacy energy sources toward a lower carbon future.

Achieving this final key goal of 2024 enables the company's higher-volume sample production in 2025

QuantumScape Corporation (NYSE: QS), a leader in solid-state lithium-metal battery technology, today announced that next-generation heat treatment equipment for its separator production process, Cobra, has been developed, delivered, installed and ...

In the latest development, PowerCo put a new solid state battery from QuantumScape through its paces. It passed with flying colors, bringing the solid state battery of the future one step...

QuantumScape Corporation (NYSE: QS), a leader in the development of solid-state lithium-metal batteries, today released data showing its battery cells have completed 400 consecutive 15-minute fast-charging (4C) cycles from 10% to 80% of the cell's capacity while retaining well above 80% of the initial energy - a first for this type of ...

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