



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.

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?

Does QuantumScape have a solid-state battery?

One year after initial deliveries of solid-state battery prototypes to its automotive partners, QuantumScape is receiving additional praise from PowerCo - the battery-centric subsidiary of Volkswagen Group - for the potential of its technology.

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](#)

What is QuantumScape & how does it work?

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.

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.



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QuantumScape's planned first commercial product, QSE-5, is a ~5 amp-hour cell designed to meet the requirements of automotive applications. Here, we'll walk through the various elements of the cell specifications and explain some of the complexities behind the seemingly simple metric of energy density.



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



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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.



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