

San Jose solid-state battery energy storage factory





Overview

Are solid-state batteries the future of energy storage?

Solid-state batteries (SSBs) are poised to transform energy storage, particularly in the EV industry. Unlike conventional lithium-ion batteries that use liquid or gel electrolytes, SSBs rely on a solid electrolyte, offering significant performance and safety improvements.

Who makes solid-state batteries?

Contemporary Amperex Technology Co., Limited (CATL), the world's largest lithium-ion battery manufacturer, is making significant strides in solid-state battery development. With more than 1,000 researchers dedicated to the technology, CATL has invested in solid-state batteries for nearly a decade.

What is a solid-state battery?

Solid-state cells incorporate a silicon-based anode, aiming for over 500 miles of EV range and double the lifespan of lithium-ion batteries. The company has completed pilot production lines and is partnering with BMW, Ford and SK Innovation to accelerate commercialisation.

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?



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Top 10: Solid-State Battery Developers , EV ...

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Battery Manufacturing Building In San Jose ...

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PowerCo and QuantumScape Announce Landmark ...

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Battery Manufacturing Building In San Jose Changes Hands ...

May 6, 2022 · Bay Area investors have paid more than \$100 million for a nearly 200,000-square-foot building in San Jose leased to a maker of high-tech batteries.

Top 10: Solid-State Battery Developers , EV Magazine

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New "Salt Battery" Will Be Manufactured In The US

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Energy Storage Tech startups in San Jose, United States

May 6, 2024 · It develops solid-state batteries for diversified applications using additive manufacturing technology. It also offers a platform to design and develop cellphone batteries ...

PRESS RELEASE: Lyten Acquires Battery Manufacturing ...

Nov 13, 2024 · Lyten to manufacture up to 200 MWh of Lithium-Sulfur batteries in California to meet growing demand from defense, drone, micromobility, and other energy storage ...

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Solid-State Battery Technology for a Sustainable Future , Kijona

Kijona develops safer, scalable solid state batteries with the highest energy density and a turnkey manufacturing platform for sustainable electrification.



Kobe Steel to take stake in all-solid-state battery startup

Mar 25, 2025 · Kobe Steel announces that it has taken a stake in Lasagna.one Inc., (LO) *1, a startup based in San Jose, California, developing all-solid-state batteries *2, which are ...

Antora Energy Announces U.S. Thermal Battery ...

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Building the Best Solid State Battery , QuantumScape

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 ...

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