

When will solid-state batteries be available?

The sector is further poised for a significant shift, with commercial availability anticipated by 2028 and volume production by 2025. Advancements in electrolyte composition and battery architecture are fundamental to the development of solid-state batteries.

Are solid-state batteries a new era?

A New Battery Era: Solid-state batteries are revolutionizing the energy storage sector, with key players like Volkswagen, Toyota, and startups like LionVolt leading the charge.

What is a solid-state battery?

Solid-state batteries are nothing new. Solid electrolytes were created in the 1800s, and they are currently used in small electronic devices like pacemakers and medical devices. Last October, Toyota announced signing a deal with Japanese petroleum company Idemitsu Kosan to mass produce solid-state batteries.

What's happening in the solid-state battery industry?

You can catch up on the latest, must-know breakthroughs, major acquisitions & investments, and other events in the solid-state battery landscape, covering everything from the growing focus on integration with EVs to LionVolt recently raising EUR15 million for a plant. Reignite Growth Despite the Global Slowdown

Are solid-state batteries the future of energy storage?

Energy storage solutions will become more efficient, consumer electronics could enjoy longer battery life, and the fossil fuel industry may face increased pressure as renewable energy sources become more viable. The integration of solid-state batteries into various applications, from EVs to air taxis, signals a trend that businesses cannot ignore.

Are solid-state batteries a solution to EV battery problems?

Just for a comparison, the Tesla Model Y has a 336-mile range and about 15-minute fast charging time. The long-awaited solid-state batteries have been touted by some industry experts as a potential solution to EV battery concerns such as charging time, driving range, and fire risk. Solid-state batteries are nothing new.

From the latest industry events to important partnerships in the field, this quarterly solid-state battery news brief for April, May, and June 2024 provides a comprehensive snapshot of what is ...

Solid-State Battery Farasis Energy, backed by Mercedes-Benz, starts solid-state battery pilot production with 0.2 GWh line coming by year-end EV Jul 21, 2025

2 · Last September, Toyota announced plans for their improved lithium-ion batteries, as well as a "breakthrough" in solid-state battery technology. It's notable, because the company had been resisting its



Solid state battery news today

transition to electric ...

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QuantumScape released its Q3 2024 business report this afternoon, and the biggest news is an update regarding the progress of its solid-state battery development and production.

BYD's chief scientist expects solid-state batteries to be widely used in 5 years, starting with high-end models, the first time a BYD executive has spoken publicly on the topic ...

Toyota says its breakthrough batteries will hit the market in 2027 or 2028, giving its EVs 745 miles of range--significantly greater than any gas-powered car today--with 10 ...

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7 · ProLogium Technology, a key actor in solid-state battery innovation, and the CEA announced today their partnership to develop an innovative solid-state battery module with a ...

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Honda's new facility could drive breakthroughs in solid-state batteries for electric cars, ultimately leading to batteries with more than double the range of existing EVs.

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The latest findings from Taipei-based intelligence provider TrendForce show that all solid-state battery production volumes could have GWh levels by 2027. The rapid expansion will lead to cell price declines.

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