

Automakers and cell producers have recently doubled down on timelines for the commercial production of solid-state batteries. Some of the car giants jostling for pole position in this push ...

World's First Mass-Produced Semi-Solid-State Battery EV Is Coming, And You Can't Have It originally appeared on Autoblog. China is ahead of the game For most auto enthusiasts, solid-state batteries are viewed as the final hurdle for ...

In the Electrek Podcast, we discuss the most popular news in the world of sustainable transport and energy. In this week's episode, we discuss Tesla's disturbing earnings, a new self-driving ...

The semi-solid-state batteries will be supplied to BMW Mini's next-generation models, with mass production planned for 2027. Svolt's first-generation semi-solid-state batteries have an energy density of 300 Wh/kg, with the second ...

Solid-state batteries, long heralded as the ideal energy solution for the new energy era with their high energy density, fast charging, and stability advantages, may face significant delays in ...

This Special Issue presents 13 papers on solid-state/sustainable Li/Na-ion and wearable batteries, revealing intrinsic mechanisms from nanoscale reconfiguration to macroscopic device ...

At the recent 2025 China Automotive Forum, Wang Fang, Chief Scientist at China Automotive Technology Research Centre, identified four critical problems that solid-state batteries need to ...

Chinese battery manufacturer SVOLT Energy plans to begin trial production of its first generation of semi-solid-state batteries with a 140-ampere-hour capacity in the fourth quarter of this year. This information comes from a report by the ...

Chinese battery manufacturer Farasis Energy has begun pilot production of sulfide-based solid-state batteries. The company plans to deliver the first sample cells, with a capacity of 60 Ah, to strategic partners. Farasis Energy plans to ...

Solid-state batteries, valued for high energy density and fast charging, may not reach mass production as soon as expected, despite automakers' timelines targeting 2026. At the 2025 ...

A solid-state battery replaces liquid electrolytes found in conventional lithium-ion cells with a solid separator, according to Car and Drive r. They also boast faster recharging capabilities, better ...



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QuantumScape, a global leader in next-generation solid-state lithium-metal battery technology, today announced it is expanding the strategic collaboration and licensing arrangement with ...

Farasis Energy, backed by Mercedes-Benz, announced on July 21 that its solid-state battery development has entered the pilot production and delivery phase, as reported by IT-Home. ...

As part of this plan, Farasis aims to deliver 60Ah sulfide solid-state battery samples to strategic partner customers. According to the company, it has also received interest from several ...

An anonymous reader quotes a report from Electrek: The "holy grail" of electric vehicle battery tech may be here sooner than you'd think. Mercedes-Benz is testing EVs with solid-state ...

Solid state batteries (SSBs) have long been anticipated as a significant breakthrough in battery technology. Recent advancements from companies like QuantumScape and Solid Power indicate that ...

All-solid-state batteries are inevitable in China, as carmakers and battery makers are making breakthroughs in the technology that promises to rid electric vehicle owners of mileage ...

Developing solid electrolytes with a wide electrochemical window, high ionic conductivity, and facile processability is essential for realizing high-energy-density all-solid-state batteries. In ...

Solid-state batteries promise safer, more efficient energy storage across EVs, grids, and aerospace. But will breakthroughs in production and cost allow this game-changing technology ...



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