

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 ...

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 ...

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 ...

The Solid Electrolyte Test System market is experiencing robust growth, driven by the increasing demand for high-performance batteries in electric vehicles (EVs), portable electronics, and grid ...

Preview of the "Solid-state / Semi-solid Li-ion Battery Innovation & Patent Review", including sections on commercially relevant patents, benchmarking and identification of product launch risk factors.

Backed by Chery and Gotion High-Tech, China's Anoa New Energy (ANE) has started producing solid-state battery samples -- and says mass production could begin as early as next year. ...

The solid-state battery isolator market is experiencing robust growth, driven by the increasing adoption of electric vehicles (EVs) and hybrid electric vehicles (HEVs), alongside the rising ...

The Mercedes-Benz-backed battery manufacturer Farasis Energy plans to complete construction of a pilot production line for sulphide-based solid-state batteries by the end of 2025. This line ...

The solid-state battery electrode market is experiencing robust growth, driven by the increasing demand for higher energy density, improved safety, and faster charging capabilities in electric ...

Argentina has taken a decisive step toward modernizing its power infrastructure, drawing international attention with its first large-scale battery energy storage tender. Designed to ...

The solid-state variant further enhances safety and energy density, addressing key concerns associated with traditional liquid electrolyte batteries. We project a robust CAGR of 25% for the sodium solid-state battery market between 2025 ...

By rethinking the battery's core architecture, solid-state technology opens the door to safer, faster, and more energy-dense power sources for everything from EVs to smartphones. So, why did...

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Key market insights suggest a significant shift towards solid-state technology driven by its inherent advantages over traditional lithium-ion batteries. The increasing demand for electric vehicles, ...

At a media event on July 17, MG brand General Manager Chen Cui confirmed that the new MG4 electric hatchback will be the first mass-market electric vehicle globally to feature a semi-solid-state battery. It will officially debut on August 5.

California-based battery start-up QuantumScape is closing-in on the pilot production of solid-state battery cells. The Volkswagen Group has announced \$260+ million worth of recent ...

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

Solid-State Batteries: The development of solid-state batteries offers the potential for higher energy density, faster charging, and improved safety. Battery Management Systems (BMS): ...

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. ...

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 ...

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 ...

The solid-state and polymer battery market is poised for significant growth, driven by increasing demand for higher energy density, faster charging capabilities, and enhanced safety features ...

Several Chinese key players in the all-solid-state sector, including BYD, unveiled an ambitious timeline for producing the game-changing battery by 2027, which signals China's determination to lead in next-generation battery ...



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