

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 ...

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 ...

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 ...

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 ...

Mercedes-Benz is bringing solid-state batteries to its EVs sooner rather than later. The company's head of development said the range-boosting batteries will hit the market "before the end of the decade." The German automaker has partnered ...

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 ...

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 ...

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 ...

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 ...

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 ...

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. ...

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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) may offer superior energy density, faster charging kinetics, better safety, and extended lifespan compared to conventional lithium-ion batteries that utilize ...

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 ...

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.



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