

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 ...

Svolt Energy's chairman, Yang Hongxin, announced that trial production of their first-generation 140 Ah semi-solid state batteries is scheduled to begin in the fourth quarter, utilizing their existing mass-production line. These semi-solid ...

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 ...

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 ...

A recent flurry of announcements from major automakers and incumbent cell producers appears to have renewed optimism. Solid-state batteries are thought to offer significantly higher energy ...

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 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 ...

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. ...

According to a recent report, these next-generation batteries are expected to expand from a \$119 million market in 2025 to \$1.35 billion by 2032, boasting a 41.6% compound annual growth ...

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 race is on to develop new tech that will change electric cars forever. Solid-state batteries have been touted as the silver bullet for mass electric car adoption and what is needed to ...

Solid state batteries (SSBs) have long been anticipated as a significant breakthrough in battery technology.



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Recent advancements from companies like QuantumScape and Solid Power indicate that ...

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 ...

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 ...

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 ...

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.

Battery Technology Advancements ? SAIC GM's 400 Wh/kg solid-state batteries will enable 600-mile range EVs by 2026, nearly tripling the energy density of current lithium-ion phosphate batteries. ? New batteries will double the range of ...

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 ...



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