

Humanoid robots, drones, AVs, and wearables demand safe, energy-dense, fast-charging power, and SSBs are poised to become the default battery architecture for embodied intelligence.

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 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.

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 ...

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

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.

Solid-state batteries could deliver 1000km range with lighter, smaller cells than current EV packs. Mass production of solid-state EVs is unlikely before the 2030s due to manufacturing ...

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 ...

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 ...

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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 ...

Chinese electric vehicle makers are rapidly adopting solid-state batteries in their latest models, with industry experts anticipating full use of this superior solution for the next ...

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 ...

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 ...

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 ...

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. ...



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