

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

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.

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 ...

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 ...

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 ...

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 ...

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 ...

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 ...

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 ...

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.



Apia solid-state batteries

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 ...

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

Semi-solid batteries to power affordable Chinese EVs promising 334-mile range The upcoming MG4 hatchback will be equipped with a 70 kWh semi-solid battery pack to run a rear-mounted ...

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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