

In order to maintain steady factory utilization, battery companies are shifting to the most abundant low-cost materials, with sodium-ion batteries to increase volume and further lower battery ...

China unveils world's first sodium-ion battery-powered EV with 248-mile range CATL says the battery delivers triple LFP power at -30°C, keeps over 90% range at -40°C, and stays stable ...

In light of escalating lithium prices and supply constraints, SIBs present a viable, sustainable, and secure alternative for the future of energy storage.

Suited for stationary energy storage applications Sodium-ion batteries are poised to replace lead-acid cells in combustion engines and support stationary energy storage, where safety and cost ...

China has officially announced the procurement of sodium-ion batteries, setting a price ceiling at \$150/kWh. This exciting development comes alongside the construction of a ...

In 2024, JMEV introduced a sodium-ion battery option for its EV3 model, while HiNa Battery has integrated the technology into low-speed electric vehicles. Beyond transport, the most ...

American battery startup Peak Energy and energy developer Jupiter Power have teamed up to deploy grid-scale sodium-ion batteries. It's a big step forward for the nascent--and in some ways,...

Storing clean energy generated by solar and wind has long been a challenge. Sodium-ion batteries, with their low cost, enhanced thermal stability, and long cycle life, are an attractive...

CATL's Naxtra sodium-ion battery, revealed at Super Tech Day 2025, promises safer, longer-lasting, and more sustainable energy storage with mass production now underway.

Experts say sodium-ion batteries offer several meaningful advantages over conventional lithium-ion chemistries. They degrade more slowly, maintain performance in extreme temperatures ...

Web: <https://www.black-hat.co.za>