

Aqueous sodium-ion batteries show promise for large-scale energy storage, yet face challenges due to water decomposition, limiting their energy density and lifespan. Here, ...

4 days ago#0183; The US startup Inlyte continues to plan for commercial production of its new sodium-iron battery, designed for long duration renewable energy storage (courtesy of Inlyte).

The project represents the first phase of the Datang Hubei Sodium Ion New Energy Storage Power Station, which consists of 42 battery energy ...

Image: Stanford Report A new study from Stanford University says that sodium-ion batteries will need more breakthroughs in order to compete with lithium-ion (Li-ion). Sodium ...

1 day ago#0183; Hithium has launched its AI data centre energy storage system (ESS) portfolio, including a 6.25MWh BESS at the RE+ trade show in Las Vegas, US. Image: Hithium Hithium ...

Researchers at the Laboratory for Energy Storage and Conversion have created a new sodium battery architecture with stable cycling for several hundred cycles, which could ...

Scientists have created an anode-free sodium solid-state battery. This brings the reality of inexpensive, fast-charging, high-capacity batteries for electric vehicles and grid ...

Inlyte's sodium-iron battery tech offers a safer, cheaper, and longer-lasting alternative to lithium-ion for long-duration energy storage. Production starts soon.

The new material, sodium vanadium phosphate with the chemical formula $\text{Na}_x\text{V}_2(\text{PO}_4)_3$, improves sodium-ion battery performance by increasing the energy density--the ...

Peak Energy debuts the US's first grid-scale sodium-ion battery, cutting costs and boosting reliability with passive cooling tech.

Peak Energy's new battery is cooler than lithium-ion systems The startup's first sodium-based grid-battery project has a novel design that cuts costs by virtually eliminating ...

Electrochemical energy storage mainly uses lithium-ion batteries, with sodium-ion battery commercialization still slowly advancing. Developing sodium-ion batteries can ...



New Energy Sodium Battery Energy Storage

New developments in sodium battery materials have led to developments that could pave the way for lower-cost sodium-ion batteries that can compete with lithium-ion ...

Sodium-ion batteries have gained significant attention in 2025 as the push for cost-effective and sustainable energy storage solutions intensifies. This innovative battery ...

Peak Energy designs and deploys next-gen sodium-ion energy storage that is safer, lower-cost, and more reliable. Our systems remove legacy failure points and enable ...

Inlyte's sodium-iron battery tech offers a safer, cheaper, and longer-lasting alternative to lithium-ion for long-duration energy storage. ...

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