

Wanxiang A123 Systems Corp. has unveiled a new energy storage platform based on semi-solid-state battery technology and immersion cooling, as the company targets safety and reliability challenges in ...

By bridging the gap between academic research and real-world implementation, this review underscores the critical role of lithium-ion batteries in achieving decarbonization, integrating renewable ...

Scientists have upgraded lithium-ion battery storage using a rust anode that reaches maximum capacity after 300 charge-discharge cycles.

BNEF, which surveyed seven LDES technology groups and 20 technology types in this report, says the least expensive technologies are already providing cheaper storage than lithium-ion ...

Lithium-sulfur batteries are next-generation energy storage systems that promise substantial benefits over traditional lithium-ion batteries, including higher energy density, lower ...

Global battery research is redefining energy storage through new chemistries, safer designs, and scalable technologies worldwide.

Summary: From solid-state to graphene, new battery technologies are emerging to rival lithium-ion, promising safer materials, faster charging, lower costs and longer lifespans for devices ...

Global demand for energy storage is surging. Lithium-ion leads today, but new contenders like sodium-ion, flow, and gravity systems are shaping the future grid.

Breakthroughs in battery technology are transforming the global energy landscape, fueling the transition to clean energy and reshaping industries from transportation to utilities.

These new battery storage companies work on solutions ranging from utility-scale BESS and second-life EV batteries to non-flammable lithium systems and solid-state designs.

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