Sodium sulfur battery breakthrough

Sodium-Sulfur Battery BREAKTHROUGH Could Make Lithium Obsolete by Health Ranger | Jan 20, 2026 Listen to Article Video Audio

Researchers from Shanghai Jiao Tong University have developed a sodium-sulfur battery prototype achieving an energy density of 2,021 watt-hours per kilogram (Wh/kg), a figure that directly ...

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...

Chinese scientists develop a safer, low-cost sodium-sulfur battery with 2,021 Wh/kg energy density, offering a high-performance alternative to lithium-ion technology.

High Voltage Sodium-Sulfur Breakthrough Chemistry World remarks how sodium batteries may have crossed a critical threshold, "by moving into high-voltage territory". But is this a practical ...

Researchers made the breakthrough while developing solid-state sodium-ion (Na-ion) batteries, which could one day supplement and replace the lithium-ion (Li-ion) batteries used in many...

A new architecture based on high-valence sulfur/sulfur tetrachloride cathode chemistry is described for manufacturing high-voltage anode-free sodium-sulfur batteries, demonstrating promise...

Researchers at Fujian Normal University in China have developed a dual salt-based quasi-solid polymer electrolyte (DS-QSPE) that can make sodium-sulfur (Na-S) batteries a feasible ...

Breaking new ground, researchers have unveiled a high-voltage anode-free sodium-sulfur battery that operates in the impressive realm of 3.6 volts, ushering in a new paradigm for Na-S ...

Scientists have made a major leap toward making sodium-based all-solid-state batteries as powerful and

reliable as lithium ones, but much cheaper and more sustainable.

Web: https://www.moritz-kenk.eu