Sodium sulfur battery news

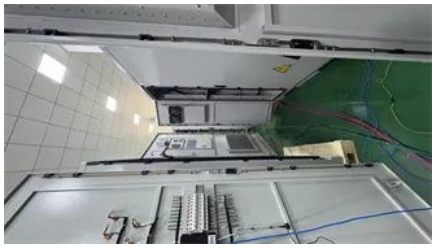
Overview

Now, researchers from China have revealed a new battery design that may offer a better alternative to lithium. The new study, published in Nature, describes a sodium and sulfur-based, anode-free design offering a high voltage. Room-temperature sodium-sulfur (Na-S) batteries offer a sustainable energy storage solution to conventional lithium (Li)-based systems 1, 2, 3, owing to the high element abundances and theoretical electrochemical performance 4, 5. Researchers say they are far more sustainable and . The manufacturer cites rising material costs, heightened competition from lithium-ion batteries, and the slow uptake of long-duration storage technologies as the reasons for the decision.

Sodium sulfur battery news

[New sodium-sulfur battery may offer safer, cheaper alternative to lithium]

Now, researchers from China have revealed a new battery design that may offer a better alternative to lithium. The new study, published in Nature, describes a sodium and sulfur-based,



High-voltage anode-free sodium-sulfur batteries , Nature

Here we report a 3.6 V class Na-S battery featuring a high-valence sulfur/sulfur tetrachloride (S/SCl4) cathode chemistry and anode-free configuration.

[New sodium-sulfur battery prototype delivers high energy density]

Researchers have unveiled a sodium-sulfur battery prototype that targets high energy density without using rare metals. The design leverages abundant elements to cut material risk and improve supply

[Japan's NGK discontinues manufacturing of sodium-sulfur batteries]

At its Board of Directors meeting on October 31, 2025, Japanese ceramics manufacturer NGK Insulators announced that it had resolved to discontinue the manufacturing and sales of its

Groundbreaking New Battery Technology Just Broke The Voltage Barrier

One type of design researchers have been trying to get to a scalable level are sodium-sulfur batteries. Researchers say they are far more sustainable and affordable than lithium-ion batteries.

Breakthrough in Sodium-Sulfur Technology - 2,021 Wh/kg Battery

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

Chinese researchers develop high-voltage sodium-sulfur battery that

A team of researchers in China has just pulled the curtain back on a new sodium-sulfur battery design that could fundamentally change the math on energy storage.

Chinese researchers develop sodium-ion battery design that forms

Technicians assemble sodium-ion battery units at a production facility in central China's Henan Province (Image credit: Chinese Academy of Sciences)

Scientists create new solid-state sodium-ion battery - they say it'll

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

China's sodium-sulfur battery records energy density of 2,021 Wh/kg

Researchers at Shanghai Jiao Tong University teamed up sodium with sulfur to make a high-energy-density battery. This is not the first attempt to pair sodium and sulfur. Batteries made

Contact Us

For catalog requests, pricing, or partnerships, please visit: https://www.bartstudio.biz