

KREATYWNY ENERGY POLSKA

New sodium battery energy storage system



Overview

Chinese battery giant CATL and automaker Changan have unveiled the world's first passenger car powered by sodium-ion batteries. The battery technology, aiming to hit public roads by mid-2026, could significantly reduce fire risks while improving performance in extreme. CATL introduced its Naxtra line of batteries earlier in 2025 and has now announced plans for volume production of sodium-ion batteries this year, with integration into production electric vehicles by July. Technology. CATL says the battery delivers triple LFP power at -30°C , keeps over 90% range at -40°C , and stays stable down to -50°C .

New sodium battery energy storage system



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

A new sodium-ion battery offers a cheaper and safer alternative to conventional lithium-ion systems, scientists say, paving the way for more sustainable EVs.

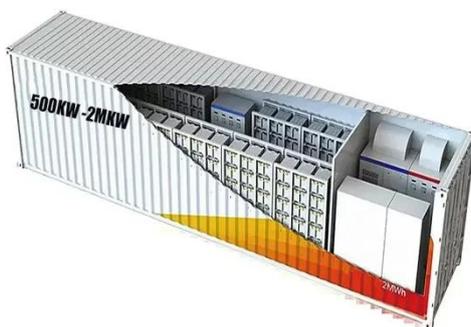
Sodium ion batteries: A sustainable alternative to lithium-ion

Sodium-ion batteries (SIBs) are being actively investigated as a potentially viable and more sustainable alternative to lithium-ion batteries (LIBs), driven by concerns over lithium resource ...

Commercial and Industrial ESS

Air Cooling / Liquid Cooling

- Budget Friendly Solution
- Renewable Energy Integration
- Modular Design for Flexible Expansion



Sodium-Ion Batteries Have Landed In America. Now Comes The ...

Under its agreement with Texas-based energy provider Jupiter Power, Peak Energy will provide 4.75 gigawatt-hours of sodium-ion battery energy storage systems (ESS) for deployment ...

Why Sodium-Ion Batteries Are Happening Now

Up until recently, EVs almost entirely used NMC batteries, while the energy storage market moved to lithium-iron-phosphate (LFP) batteries years back. That as changed with the ...



Cheaper than lithium, just as powerful -- Sodium batteries are finally

The researchers developed a sodium-based solid-state battery that performs reliably from room temperature to below freezing, setting a new benchmark for the field.

The US's first grid-scale sodium-ion battery is now online

Peak Energy's sodium-ion phosphate pyrophosphate (NFPP) battery storage system was unveiled in July and is now running at the Solar Technology Acceleration Center (SolarTac) in ...



Next-generation anodes for high-energy and low-cost sodium-ion

Sodium-ion batteries are promising low-cost alternatives to lithium-ion systems yet limited by underperforming anodes.

This Review highlights advances and challenges in hard carbon and ...



CATL unveil world's first sodium-ion EV with about 248-mile range

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 ...



Sodium-ion batteries: 10 Breakthrough Technologies 2026

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

Peak Energy Delivers First Grid-Scale, Sodium-Ion Battery Storage

Peak Energy Delivers First Grid-Scale, Sodium-Ion Battery Storage System in the US. Peak Energy's solution is the first battery energy storage system to

remove nearly all moving parts ...



Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://kreatywny-dom.pl>

