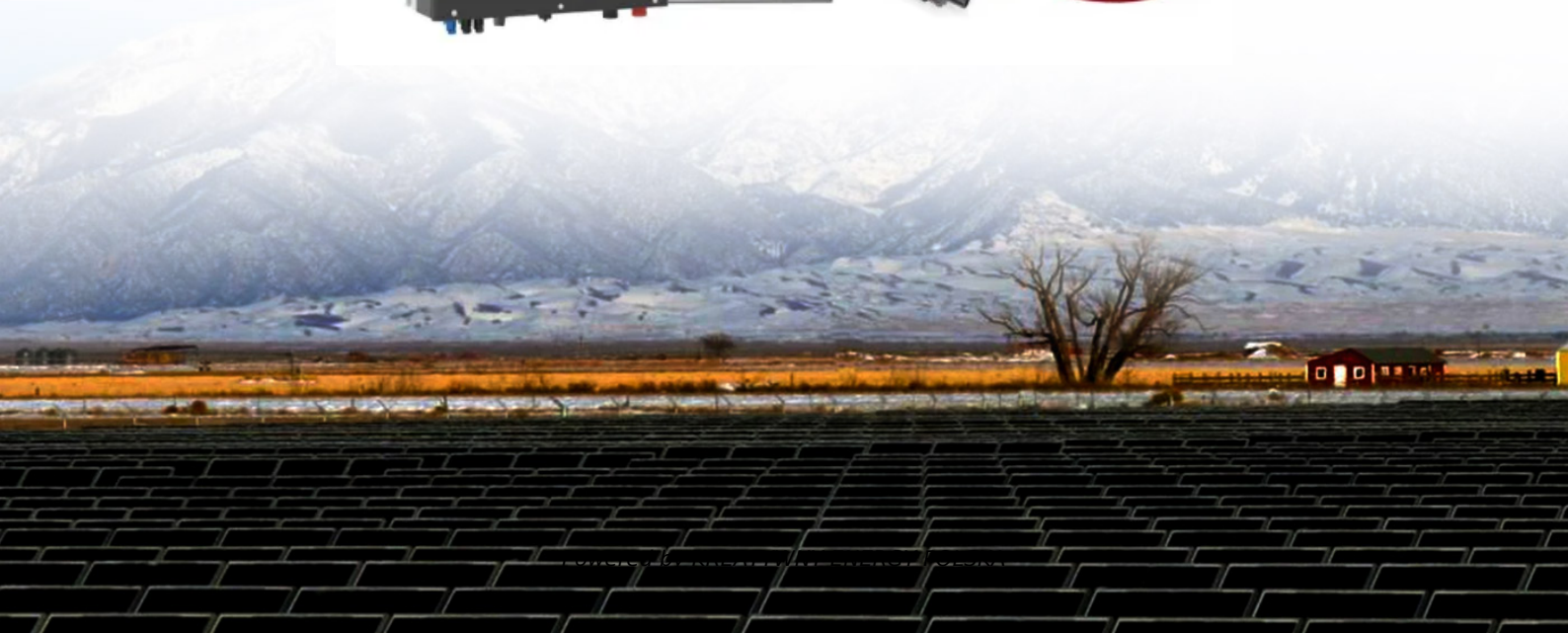


New sodium battery energy storage system



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.

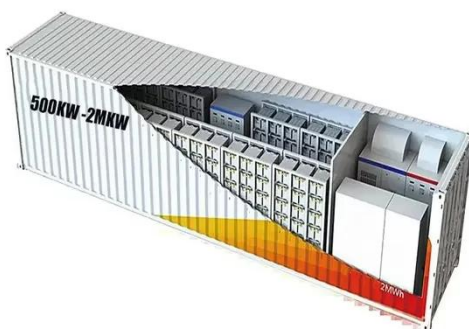
Sodium ion batteries: A sustainable alternative to lithium-ion

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

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- 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 ...



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