



Sodium-ion battery energy storage park





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[Alkaline-based aqueous sodium-ion batteries for large-scale energy storage](#)

Aqueous sodium-ion batteries show promise for large-scale energy storage, yet face challenges due to water decomposition, limiting their energy density and lifespan. Here, ...

[Comprehensive review of Sodium-Ion Batteries: Principles, ...](#)

The widespread availability of sodium resources can potentially lead to more stable and lower-cost battery production, making SIBs an attractive option for large-scale energy ...



[CATL to Deploy Sodium-Ion Batteries at Scale in 2026](#)

CATL plans large-scale sodium-ion battery deployment in 2026 for swap systems, EVs, and energy storage. Its Naxtra cells offer up to 175 Wh/kg energy density, -40 °C ...

[CATL Sodium-Ion Battery Cuts Costs with Antimony Cathode ...](#)

CATL's sodium-ion battery advances to aqueous production lines and steadier voltage, giving drivers and homeowners more affordable, reliable power storage.



[Energy Density Breaks 348.5 Wh/kg! Zhaona New Energy's Solid ...](#)

On December 31, 2025, Sodium Technology announced that its large-format (above 25 Ah) all-solid-state sodium-ion battery cell achieved an energy density of 348.5 Wh/kg, ...



[Technology Strategy Assessment](#)

Sodium-ion batteries (NaIBs) were initially developed at roughly the same time as lithium-ion batteries (LIBs) in the 1980s; however, the limitations of charge/discharge rate, cyclability, ...



[CATL's sodium-ion batteries hit record energy density, raising](#)

The company claims its Naxtra cells reach around 175 Wh/kg, a record for sodium-ion batteries and close to what mainstream LFP packs offer today in electric vehicles ...



[China launches world's first grid-forming sodium-ion battery storage ...](#)



The Baochi Storage Station in Yunnan integrates lithium and sodium-ion technologies at scale, a global first, aiming to stabilize renewable energy and cut costs as ...



[Sodium-ion startup ships first grid-scale battery](#)

Sodium-ion battery storage startup Peak Energy has announced its first shipment of its system that will be used in a shared ...



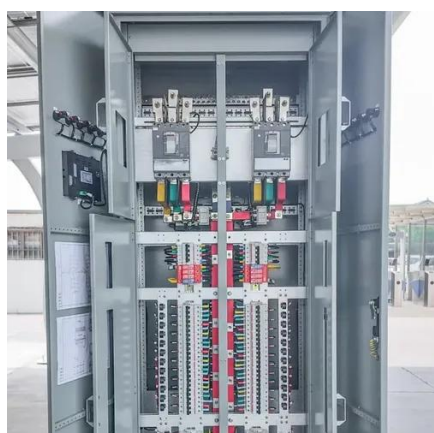
[The US's first grid-scale sodium-ion battery is now online](#)

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 ...



[World-largest sodium-ion phosphate battery system launched, ...](#)

Peak Energy announced the launch and shipment of its sodium-ion battery energy storage system (ESS). The solution delivers a patent-pending passive cooling design to ...



[Peak Energy Unveils Game-Changing Sodium-Ion Battery ...](#)



A U.S.-based company, Peak Energy, has launched the first grid-scale sodium-ion battery energy storage system in the United States, featuring a patent-pending passive cooling ...



[EV battery leader CATL is gearing up for sodium-ion batteries in ...](#)

The EV battery giant said its sodium-ion batteries will be used for battery swapping, passenger vehicles, commercial vehicles, and energy storage. CATL Choco-Swap ...



[Natron Energy Plans \\$1.4B Sodium-ion Battery ...](#)

By focusing on Sodium-ion Battery technology, Natron Energy is not only expanding its production capacity but also contributing ...



[Governor Cooper Announces 1,000 New Jobs in Edgecombe ...](#)

Natron Energy, Inc., a global leader in sodium-ion battery technology, will build the first sodium-ion battery gigafactory in the United States at the Kingsboro megasite, creating ...



[Natron Energy Plans \\$1.4B Sodium-ion Battery Plant in North ...](#)



By focusing on Sodium-ion Battery technology, Natron Energy is not only expanding its production capacity but also contributing to the innovation of energy storage ...



[World-largest sodium-ion phosphate battery ...](#)

Peak Energy announced the launch and shipment of its sodium-ion battery energy storage system (ESS). The solution delivers a ...



[Mitigating sodium-ion battery degradation through scandium doping](#)

A team at Tokyo University of Science (TUS) has identified a structural mechanism by which adding small amounts of scandium to layered sodium manganese oxide cathodes slows ...



[First sodium-ion battery storage systems deployed on U.S. grid](#)

Peak Energy has reported the launch and shipment of its sodium-ion battery energy storage system to the U.S. electric grid. This is the first grid-scale sodium-ion storage solution ...



[Sodium-ion battery for cheaper US grid energy ...](#)



After China, the US now gets its first grid-level energy storage system with sodium-ion batteries that require no active cooling and cost a ...



[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) ...

[Can CATL's Naxtra sodium-ion battery Break Lithium's Monopoly ...](#)

CATL's Naxtra sodium-ion batteries hit 175 Wh/kg, work at -40°C, cut costs 30-50%, and challenge lithium dominance by 2026.



[Sodium-ion battery for cheaper US grid energy storage deployed ...](#)

After China, the US now gets its first grid-level energy storage system with sodium-ion batteries that require no active cooling and cost a third less than a traditional BESS with ...



[Funding Selections: Platform Technologies for ...](#)



Announcing 11 funding selections through its Platform Technologies for Transformative Battery Manufacturing program to create platform ...

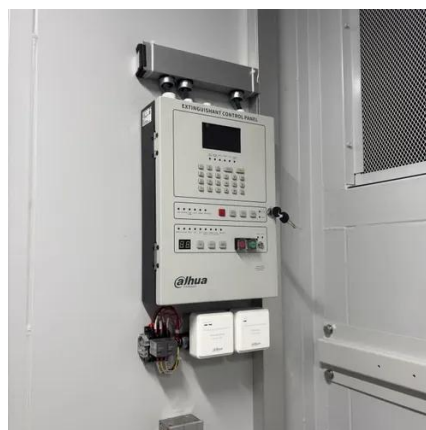


[Energy Storage Beyond Lithium-Ion: Future Energy Storage and ...](#)

Energy storage beyond lithium ion explores solid-state, sodium-ion, and flow batteries, shaping next-gen energy storage for EVs, grids, and future power systems.

[Technology Strategy Assessment](#)

Much of the attraction to sodium (Na) batteries as candidates for large-scale energy storage stems from the fact that as the sixth most abundant element in the Earth's crust and the fourth ...



[Sodium-ion startup ships first grid-scale battery](#)

Sodium-ion battery storage startup Peak Energy has announced its first shipment of its system that will be used in a shared pilot with nine utility and independent power producers ...



[Peak Energy Delivers First Grid-Scale, Sodium-Ion Battery Storage](#)



Peak Energy designs and deploys next-gen sodium-ion energy storage that is safer, lower-cost, and more reliable. Our systems remove legacy failure points and enable ...



[The US's first grid-scale sodium-ion battery is now ...](#)

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



[World's largest sodium-ion battery goes into operation](#)

The first phase of Datang Group's 100 MW/200 MWh sodium-ion energy storage project in Qianjiang, Hubei Province, was connected ...



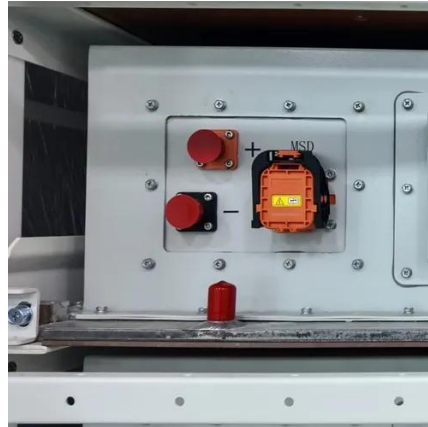
[Peak Energy launches first U.S. grid-scale sodium-ion storage ...](#)

Peak Energy, a Denver-based battery manufacturer, announced today the launch of the first grid-scale sodium-ion pyrophosphate (NFPP) battery system in the United States, ...

[Peak Energy launches first U.S. grid-scale sodium ...](#)



Peak Energy, a Denver-based battery manufacturer, announced today the launch of the first grid-scale sodium-ion ...





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