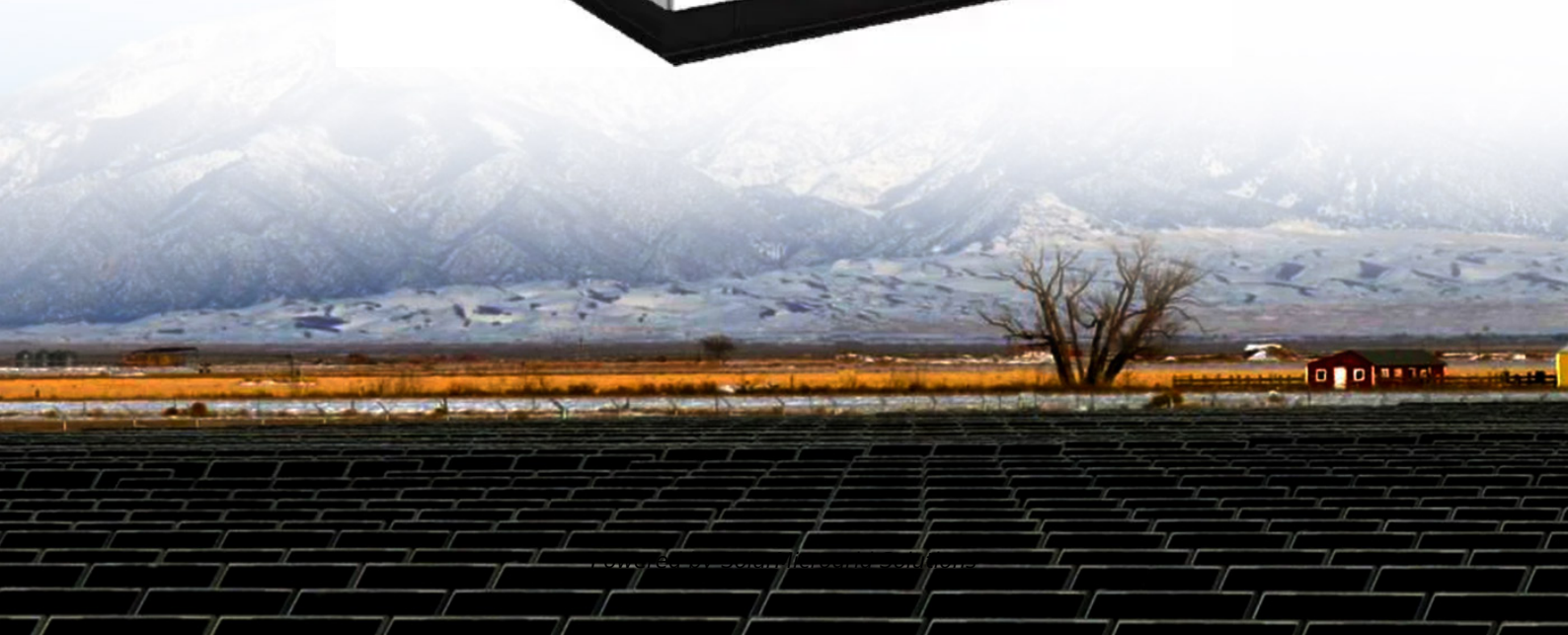


# **The first sodium-ion battery energy storage**





## Overview

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Peak Energy shipped out its first sodium-ion battery energy storage system, and the Burlingame, California-based company says it's achieved a first in three ways: the US's first grid-scale sodium-ion battery storage system; the largest sodium-ion phosphate pyrophosphate (NFPP) battery system in the world; and the first megawatt-hour scale battery to run entirely on passive cooling – no fans, pumps, or vents.



## The first sodium-ion battery energy storage

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### Peak Energy launches first grid-scale sodium-ion BESS in US pilot

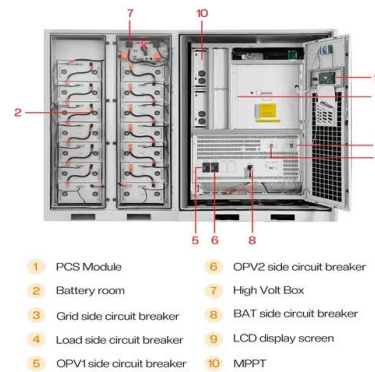
Peak Energy's BESS is designed without moving parts and features active cooling and ventilation components. Image: Peak Energy Sodium-ion battery energy storage system ...

[Product Information](#)

### Sodium Batteries for Use in Grid-Storage Systems and Electric ...

New developments in sodium battery materials have led to developments that could pave the way for lower-cost sodium-ion batteries that can compete with lithium-ion ...

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### Peak Energy ships first grid-scale sodium-ion 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 ...

[Product Information](#)

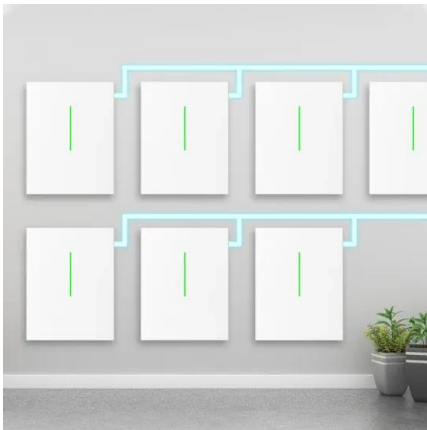


### World-largest sodium-ion phosphate battery system launched, ...

Peak Energy claimed that the system is the first ever fully passive megawatt-hour scale battery storage system, the largest sodium-ion phosphate pyrophosphate (NFPP) ...



## [Product Information](#)



### **Sodium Batteries for Use in Grid-Storage Systems and Electric ...**

Abstract The future of sodium-ion batteries holds immense potential as a sustainable and cost-effective alternative to traditional lithium-ion batteries by addressing ...

## [Product Information](#)

### **Peak Energy Delivers First Grid-Scale, Sodium-Ion Battery ...**

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 ...

## [Product Information](#)



### **World's largest sodium-ion battery energy storage project ...**

The first part of the world's largest sodium-ion battery energy storage system (BESS) has been launched in China. State media Yicai Global and technology provider HiNa ...

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### [First sodium-ion battery storage station at grid level ...](#)

The viability of cheaper sodium-ion batteries in an energy storage system at the grid level has been proven by the first utility station that is now ...

#### [Product Information](#)



### [Northvolt develops state-of-the-art sodium-ion battery](#)

Northvolt's first generation of sodium-ion cell is designed primarily for energy storage, with subsequent generations delivering higher energy density ...

#### [Product Information](#)

### **First sodium-ion battery storage station at grid level opens with ...**

The viability of cheaper sodium-ion batteries in an energy storage system at the grid level has been proven by the first utility station that is now operational.

#### [Product Information](#)



### **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, ...

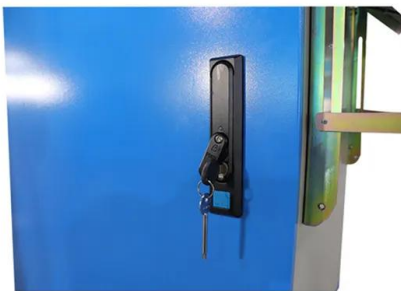
#### [Product Information](#)



## 20,000-Cycle Ultra-Long Lifespan: Hithium Energy Storage First Sodium

Hithium launches the ?Cell N162Ah, a breakthrough sodium-ion battery for utility-scale energy storage. Offering 20,000 cycles, high efficiency, and superior safety.

[Product Information](#)



## [BYD launches sodium-ion grid-scale BESS product](#)

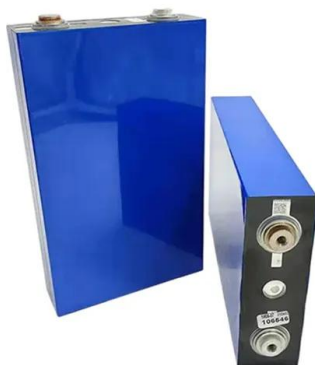
Chinese EV giant BYD has launched what an executive claimed is the 'world's first high-performance' sodium-ion BESS product, using its proprietary form factor Long Blade ...

[Product Information](#)

## Peak Energy Unveils First Grid-Scale Sodium-Ion Battery System ...

A U.S.-based business called Peak Energy has announced the launch and distribution of their sodium-ion battery energy storage system (ESS), which uses a patent ...

[Product Information](#)



## First US Deployment of Sodium-Ion Battery for Affordable Energy Storage

The US has launched its first grid-level energy storage system using sodium-ion batteries, developed by startup Peak Energy, which is safer and more affordable than ...

[Product Information](#)





## China launches world's first grid-forming sodium-ion battery storage

China launches world's first grid-forming sodium-ion battery storage plant The Baochi Storage Station in Yunnan integrates lithium and sodium-ion technologies at scale, a ...

[Product Information](#)



## First US Deployment of Sodium-Ion Battery for Affordable Energy ...

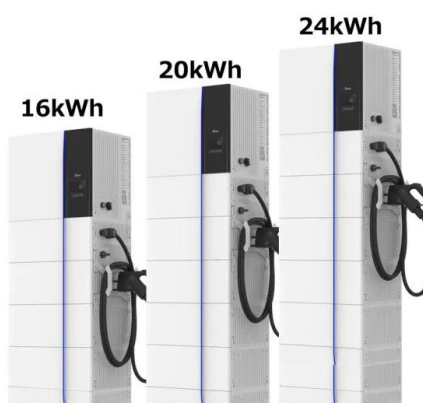
The US has launched its first grid-level energy storage system using sodium-ion batteries, developed by startup Peak Energy, which is safer and more affordable than ...

[Product Information](#)

## US sodium ion specialist Natron Energy ceases operations

The Californian startup had bold plans to establish the world's first sodium-ion battery gigafactory but financial and market pressures have combined to render its business ...

[Product Information](#)



## China launches world's first grid-forming sodium-ion ...

China launches world's first grid-forming sodium-ion battery storage plant The Baochi Storage Station in Yunnan integrates lithium and sodium-ion ...

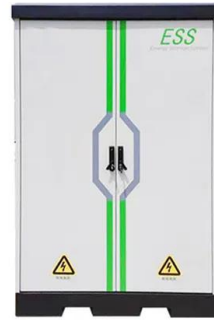
[Product Information](#)



## 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 ...

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