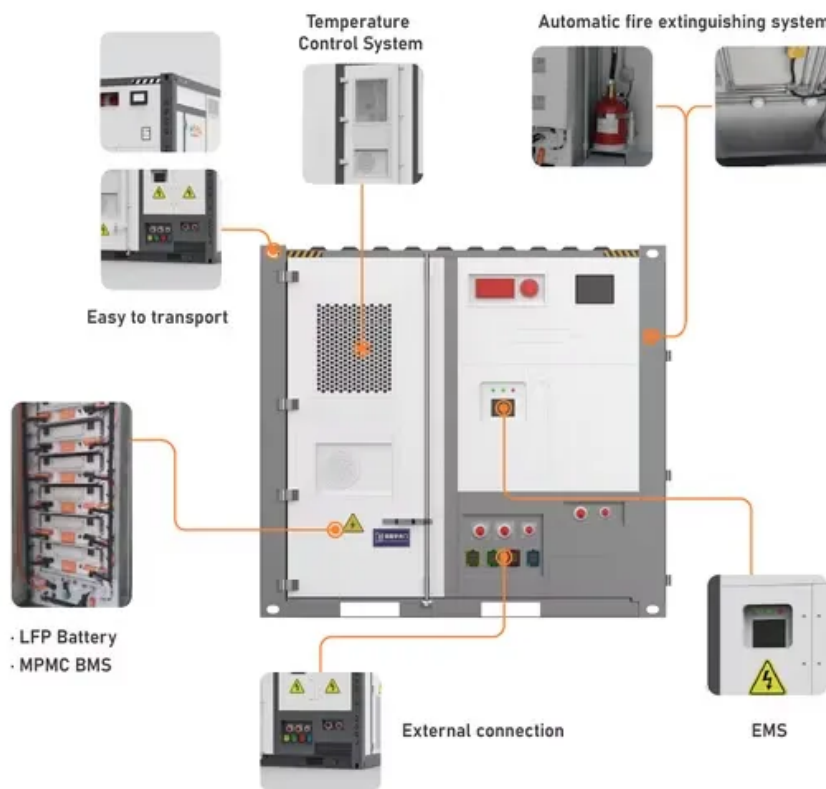


## SolarMax Energy Systems

# New Energy Storage Peak-Valley Battery



## Overview

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DENVER - July 30, 2025 - Peak Energy, a U.S.-based company developing low-cost, giga-scale energy storage technology for the grid, today announced the launch and shipment of its sodium-ion battery energy storage system (ESS) that delivers a patent-pending passive cooling design to dramatically reduce lifetime energy costs.

## New Energy Storage Peak-Valley Battery



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

Because sodium ion and lithium ion batteries are so different, Dales said that he expects Peak's launch to usher in an era of varying in battery solutions for a diversity of energy ...

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### Peak Energy launches first U.S. grid-scale sodium-ion ...

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

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### Peak Energy on scaling sodium-ion technology

Peak Energy president and CCO Cameron Dales speaks with Energy-Storage.news about the US startup's plans for scaling sodium-ion battery storage and cell ...

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## Microgrid energy storage

## system

When energy storage batteries are used for peak-valley price arbitrage, the payback period mainly depends on the peak-valley price difference and battery system cost.

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## Peak-Valley Battery Energy Storage Systems: The Secret

...

Meet the peak-valley battery energy storage system - the Swiss Army knife of modern power management. As electricity prices swing wildly between peak and off-peak ...

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## Peak Energy on Track to Rapidly Scale Sodium-Ion Battery ...

With the shift to sodium-ion technology underway worldwide at giga-scale, Peak Energy has emerged as the company best suited to deliver utility-scale sodium-ion storage in ...

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



Peak Energy is proud to announce the successful closure of a \$55 million funding round aimed at accelerating the development and commercialization of our sodium-ion battery ...

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## Flow battery energy storage system for microgrid peak shaving ...

Abstract Energy storage system is an important component of the microgrid for peak shaving, and vanadium redox flow battery is suitable for small-scale microgrid owing to ...

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

Peak Energy's solution is the first battery energy storage system to remove nearly all moving parts with new patent-pending technology, driving significant cost-savings.

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## A Joint Optimization Strategy for Demand Management and Peak-Valley

Demand reduction contributes to mitigate shortterm peak loads that would otherwise escalate distribution capacity requirements, thereby delaying grid expansion, improving asset utilization, ...

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## Peak Energy Secures \$55M in Funding to Scale US Sodium-Ion Battery

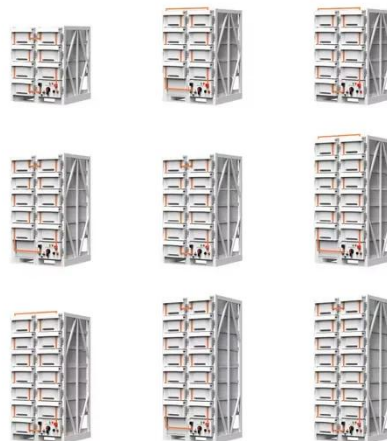
Peak Energy is experiencing increased demand for its battery systems and is entering the next phase of growth, launching the full-scale production of sodium-ion storage in ...

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## Peak Energy's new battery is cooler than lithium-ion systems

Peak Energy's new battery is cooler than lithium-ion systems The startup's first sodium-based grid-battery project has a novel design that cuts costs by virtually eliminating ...

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## World's Largest Flow Battery Energy Storage Station ...



The 100 MW Dalian Flow Battery Energy Storage Peak-shaving Power Station, with the largest power and capacity in the world so far, was ...

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## Peak Energy launches from stealth with \$10M in funding to mass ...

Peak Energy, a clean energy storage startup founded by veterans from Tesla and Northvolt, has launched from stealth mode with \$10 million in funding to mass-produce giant ...



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## Peak Energy just shipped the US's first grid-scale sodium-ion battery

Peak Energy debuts the US's first grid-scale sodium-ion battery, cutting costs and boosting reliability with passive cooling tech.

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## 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, ...

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### LIQUID COOLING ENERGY STORAGE SYSTEM

EMS real-time monitoring  
No container design  
flexible site layout



Cycle Life  
**≥ 8000**

Nominal Energy  
**200kwh**

IP Grade  
**IP55**



### California crosses 10 GW battery storage threshold

California is adding massive amounts of battery energy storage and the project pipeline shows no sign of slowing down. Batteries are playing an ...

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### saracho

Due to the randomness and uncertainty of renewable energy output and the increasing capacity of its access to power system, the deep peak load regulation of power system has been greatly ...

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

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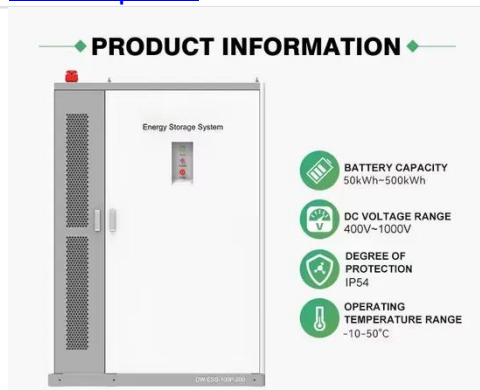
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## Optimization analysis of energy storage application based on

On the one hand, the battery energy storage system (BESS) is charged at the low electricity price and discharged at the peak electricity price, and the revenue is obtained ...

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## Peak Energy Secures \$55M in Funding to Scale US ...

Peak Energy is experiencing increased demand for its battery systems and is entering the next phase of growth, launching the full-scale ...

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

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all moving parts with new patent-pending technology, driving significant cost-savings.

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## GRIDSTOR ANNOUNCES ACQUISITION OF TEXAS ...

GridStor's acquisition and plan to expand its operations into the Lower Rio Grande Valley region in Texas comes during a critical time. Driven ...

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## Peak Energy on Track to Rapidly Scale Sodium-Ion ...

With the shift to sodium-ion technology underway worldwide at giga-scale, Peak Energy has emerged as the company best suited to deliver ...

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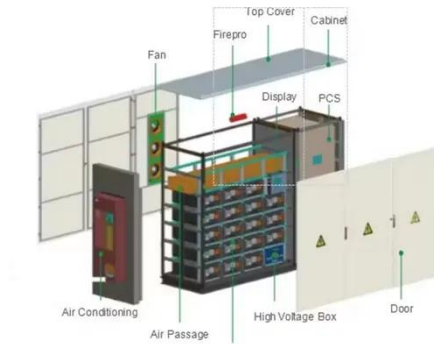


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