



# The first grid battery energy storage goes into operation





## Overview

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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 China accelerates its energy transition.

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 China accelerates its energy transition.

The first phase of Datang Group's 100 MW/200 MWh sodium-ion energy storage project in Qianjiang, Hubei Province, was connected to the grid. From pv magazine ESS News site China's state-owned power generation enterprise Datang Group said on June 30 that it had connected to the grid a 50 MW/100 MWh.

State-owned power company China Datang Corporation put a 100-MWh energy storage station using sodium-ion batteries into operation in central China's Hubei province on June 30, the supplier of the batteries, Hina Battery, announced yesterday. This is currently the world's largest sodium-ion battery.

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 China accelerates its energy transition. China Southern Power Grid (CSG) announced on May 26 the commissioning of the Baochi Energy.

(Yicai) July 1 -- China Datang said the first phase of its sodium-ion battery new-type energy storage power station project in Qianjiang, Hubei province, the largest such project in the world, has become operational. The projects will have a total annual capacity of 100 megawatt/200 MW-hours, with.

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 DENVER, July 31, 2025 /PRNewswire/ — Peak Energy, a U.S.-based company developing low-cost, giga-scale energy storage technology.

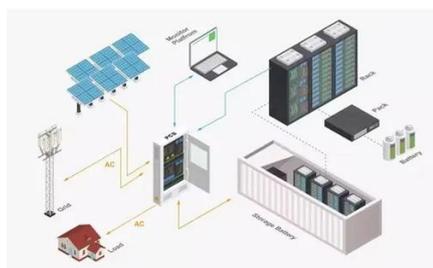
A battery energy storage system (BESS), battery storage power station, battery energy grid storage (BEGS) or battery grid storage is a type of energy storage technology that uses a group of batteries in the grid to store electrical energy.



Battery storage is the fastest responding dispatchable.



## The first grid battery energy storage goes into operation

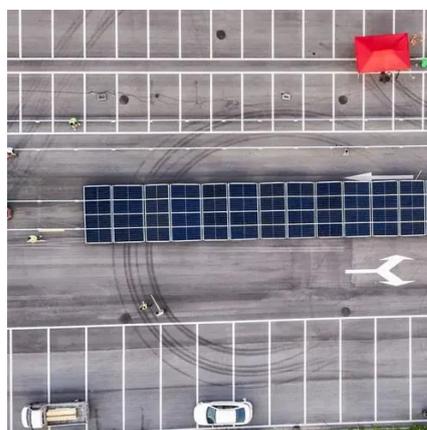


### [World's largest sodium-ion battery goes into operation](#)

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

### [World's Largest Sodium-ion Battery Energy Storage Project Goes ...](#)

(Yicai) July 1 -- China Datang said the first phase of its sodium-ion battery new-type energy storage power station project in Qianjiang, Hubei province, the largest such project in the ...



### [CS Energy brings 200MWh BESS into operation in Queensland](#)

CS Energy has switched on its 100MW/200MWh Chinchilla battery energy storage system (BESS) in Queensland, Australia.



### [OPPD's battery storage project goes live](#)

The one-megawatt lithium-ion battery will be used to test how battery storage can be integrated into the utility's grid.



### [UK: Europe's largest battery facility goes into ...](#)

Blackhillock is currently Europe's largest transmission-grid-connected battery storage system. By facilitating greater integration of ...

### **Peak Energy**

GS-1.1 is the first commercially available sodium-ion battery energy storage system built for grid-scale deployment. Powered by NFPP chemistry, it operates without active cooling- a ...



### [CPUC Adopts New Rules Governing Safety of Battery Energy Storage ...](#)

On March 13, 2025, the California Public Utilities Commission (CPUC) modified General Order (GO) 167 to establish new standards for the maintenance and operation of battery energy ...





## [Energy Storage: Safety FAQs , ACP](#)

Battery energy storage systems operate by converting electricity from the grid or a power generation source (such as from solar or wind) into stored chemical energy.



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

The project represents the first phase of the Datang Hubei Sodium Ion New Energy Storage Power Station, which consists of 42 battery energy storage containers and 21 sets of ...

## ['World's first' large-scale semi-solid BESS](#)

The Zhejiang Longquan lithium iron phosphate (LFP) energy storage demonstration project in Longquan city was grid connected and put into trial operation at the start of June.



## [France's biggest battery storage system at 25MW ...](#)

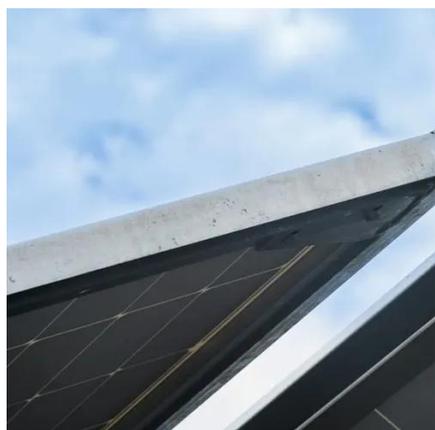
The biggest battery energy storage system (BESS) in mainland France went into operation in late January, and will provide grid-balancing ...





## [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 ...



## [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 to the grid.

## [850 MW: World's largest battery storage system ...](#)

At 850 MW, the Waratha Super Battery is the world's largest battery storage facility. Its initial capacity will be 350 MW, with the ...



## [Oneida Energy Storage Project Commences Commercial Operations](#)

The Oneida Energy Storage Project has officially commenced commercial operations, becoming the largest grid-scale battery energy storage facility in operation in ...



## Grid-Forming Battery Energy Storage Systems

The ble energy resources--wind, solar photovoltaic, and battery energy storage systems (BESS). These resources electrically connect to the grid through an inverter-- power electronic devices ...



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

State-owned power company China Datang Corporation put a 100-MWh energy storage station using sodium-ion batteries into ...

## 'World's first' large-scale semi-solid BESS

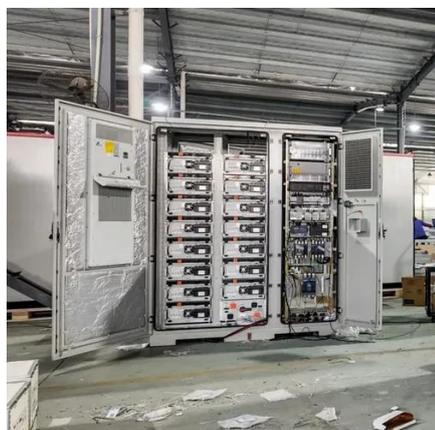
...

Last week, it was reported that the first half of the world's largest sodium-ion BESS came online, in Hubei province. March saw the world's ...



## China's 1st large-scale lithium-sodium hybrid energy storage ...

China's first large-scale lithium-sodium hybrid energy storage station has been put into operation, capable of powering hundreds of thousands of homes, as sodium-ion batteries ...





## [50MW/100MWh Sodium-ion ESS goes online in ...](#)

In the Hubei province in China, 50MW/100MWh is just the first phase of the sodium-ion battery energy storage system (BESS) project ...



## [New power system , China's first large-scale lithium-sodium ...](#)

On May 25, China's first large-scale lithium-sodium hybrid energy storage station -- the Baochi energy storage station developed by CSG -- was officially put into operation in Wenshan ...

## ['World's largest' sodium-ion battery energy storage project goes into](#)

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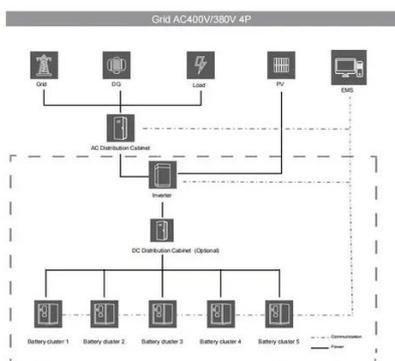
## [Peak Energy Delivers First Grid-Scale, Sodium-Ion Battery Storage](#)

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 ...



## Battery energy storage system

A battery energy storage system (BESS), battery storage power station, battery energy grid storage (BEGS) or battery grid storage is a type of energy storage technology that uses a ...



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