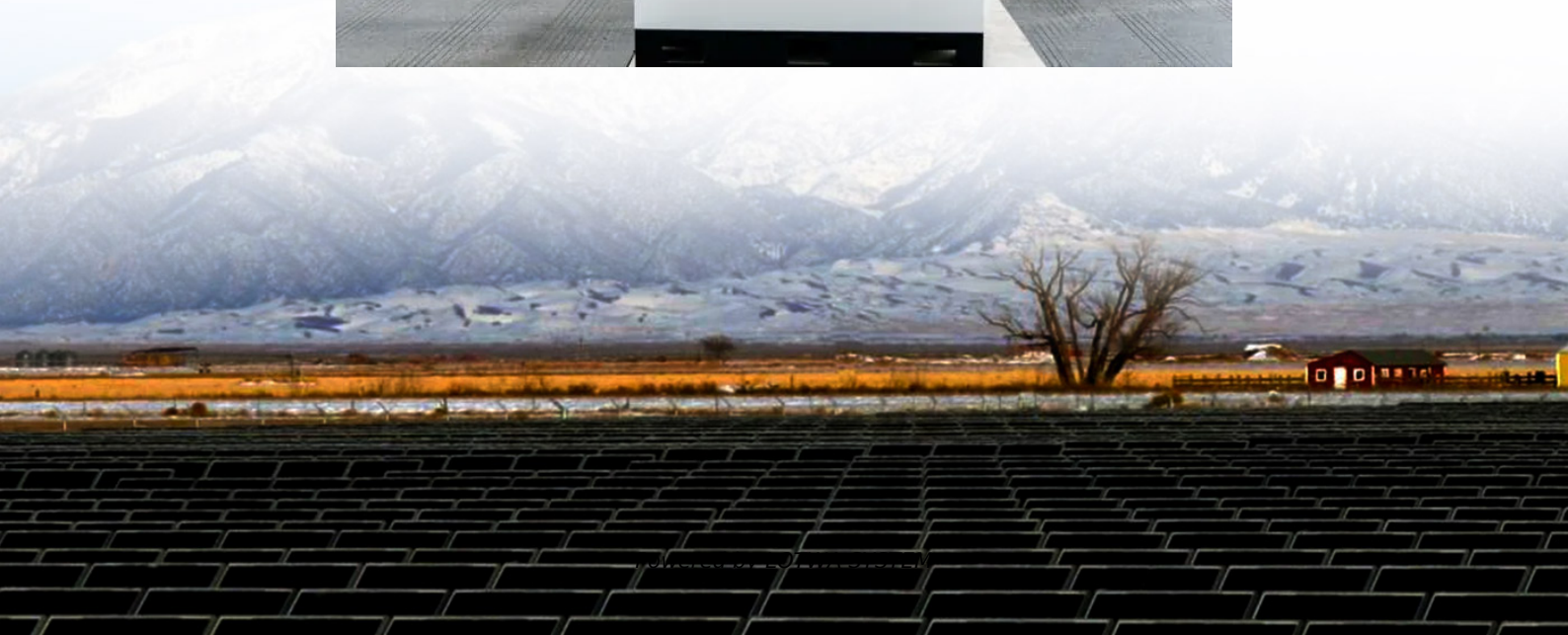


# **MW-class sodium-ion battery energy storage pack delivered**





## Overview

---

The company delivered sodium-ion energy storage cells in bulk to China Southern Power Grid at the end of 2023, and the world's first 10-MWh sodium-ion battery energy storage station using these cells was commissioned in May this year, Hina Battery said. Where is China's 10 MWh sodium-ion battery storage station located?

The 10-MWh sodium-ion battery storage station was put into operation on May 11 in Nanning, Guangxi in southwestern China, China Southern Power Grid Energy Storage, the energy storage division of China Southern Power Grid, said on May 11.

What is the largest sodium ion battery storage system in the world?

This project opened on June 30, 2024, with battery cells supplied by Zhongke Haina, making it the largest sodium-ion battery energy storage system in the world. The storage system consists of 42 battery containers and 21 integrated booster and conversion machines, in addition to a 110 kV booster station.

How many kWh can a 100 MWh energy storage station store?

The energy storage station can store 100,000 kWh of electricity on a single charge, which can meet the needs of around 12,000 households for a day. (A 100 MWh-scale energy storage station using sodium-ion batteries went into operation on June 30, 2024 in Hubei, central China. Image credit: Hina Battery).

What is a 200 MWh energy storage station?

The energy storage station is the first phase of a 200-MWh project and consists of 42 battery bays. It can store 100,000 kWh of electricity on a single charge, releasing power during peak periods to meet the needs of about 12,000 households for a day and reducing CO2 emissions by 13,000 tons per year, according to Hina Battery.



## MW-class sodium-ion battery energy storage pack delivered

---

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

Jun 3, 2025 · 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

Jul 2, 2024 · 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.

---

BYD details first 2.3 MWh sodium-ion battery pack for grid-level energy

Nov 29, 2024 · The world's second-largest battery maker BYD has managed to develop a sodium-ion battery pack covering all the requirements for a grid-level battery energy storage system ...

---

China launches world's first grid-forming ...

Jun 3, 2025 · The Baochi Storage Station in Yunnan integrates lithium and sodium-ion technologies at scale, a global first, aiming to stabilize ...

---

Sineng Electric to Supply Energy Storage Solutions to the ...

Oct 15, 2025 · This project marks a significant milestone in China's transition toward diversified energy storage solutions. Deploying sodium-ion battery technology on such a large scale ...

---

Hina Battery Unveils Massive Sodium-Ion ...

Jul 3, 2024 · The company officially inaugurated the first phase of the Datang Hubei sodium ion energy storage power plant scientific and technological ...

---

World's largest sodium-ion battery goes into ...

Jul 2, 2024 · The first phase of Datang Group's 100 MW/200 MWh sodium-ion energy storage project in Qianjiang, Hubei Province, was connected ...

---

EnBW opened Gundelsheim hybrid energy park with solar and storage

Sep 24, 2025 · The park included a hybrid storage facility using twelve Audi e-tron batteries and a sodium-ion system, with 2.25 MWh capacity and 1.22 MW output, noted as the largest sodium ...

---

Energy, power, and cost optimization of a sodium-ion battery pack ...

Jul 30, 2024 · Sodium-ion (Na-ion) batteries are viewed as an alternative to Li-ion batteries due to the relative abundance of sodium and the multitude of cobalt-free electrode materials ...

---

World's Largest Sodium-ion Battery Energy Storage Project ...



(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's largest sodium-ion project comes ...

Jul 4, 2024 · The first phase of the world's largest sodium-ion battery energy storage system (BESS), in China, has come online.

---

Comprehensive review of Sodium-Ion Batteries: Principles, ...

Feb 1, 2025 · Sodium-ion batteries have a significant advantage in terms of energy storage unit price compared to lithium-ion batteries. This cost-effectiveness stems from the abundance and ...

---

China's first high-capacity sodium-ion battery storage ...

May 12, 2024 · China's first large-scale sodium-ion battery energy storage station officially commenced operations on Saturday. The station will help improve peak energy management ...

---

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

Jul 2, 2024 · The company delivered sodium-ion energy storage cells in bulk to China Southern Power Grid at the end of 2023, and the world's first 10-MWh sodium-ion battery energy ...

---

BYD details first 2.3 MWh sodium-ion battery ...

Nov 29, 2024 · The world's second-largest battery maker BYD has managed to develop a sodium-ion battery pack covering all the requirements for a ...

---

World's largest sodium-ion project comes online in China

Jul 4, 2024 · The first phase of the world's largest sodium-ion battery energy storage system (BESS), in China, has come online.

---

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

Jul 2, 2024 · The company delivered sodium-ion energy storage cells in bulk to China Southern Power Grid at the end of 2023, and the world's first 10 ...

---

China's first high-capacity sodium-ion battery ...

May 12, 2024 · China's first large-scale sodium-ion battery energy storage station officially commenced operations on Saturday. The station will help ...

---

World's Largest Sodium-ion Battery 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 ...

---

Batteries in Stationary Energy Storage ...

Oct 25, 2024 · Sodium-ion batteries operate similarly to lithium-ion batteries but have lower energy densities due to the higher atomic mass of sodium. ...

---



### 1 mw battery storage - understanding its power

6 days ago · Battery packs, battery management systems, and power conversion systems are typical 1 MW battery storage components. These ...

---

### Naxtra: CATL unveils first sodium-ion EV ...

Apr 22, 2025 · During its Super Tech Day, the Chinese giant unveiled three breakthrough batteries for electric vehicles: Freevoy Dual-Power, Naxtra, ...

---

### Largest sodium-ion battery energy storage project operating

The first phase of China Datang's sodium-ion battery energy storage power station project was put into operation Sunday in Qianjiang, Hubei Province.

---

### 1MWh Battery Energy Storage System Prices

Jan 6, 2025 · The price of 1MWh battery energy storage systems is a crucial factor in the development and adoption of energy storage technologies. As the demand for reliable and ...

---

### Hina Battery Unveils Massive Sodium-Ion Energy Storage ...

Jul 3, 2024 · The company officially inaugurated the first phase of the Datang Hubei sodium ion energy storage power plant scientific and technological innovation demonstration project, ...

---

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

May 27, 2025 · The energy storage station uses the latest high-capacity sodium-ion batteries with the top response speed six times faster than ...

---

## Contact Us

---

For technical specifications, project proposals, or partnership inquiries, please visit:

<https://lopianowa.pl>

**Scan QR Code for More Information**



<https://lopianowa.pl>