

Sodium ion energy storage power station





Overview

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.

What is Datang Hubei sodium ion new energy storage power station?

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 boost converters. It uses 185 ampere-hour large-capacity sodium-ion batteries supplied by China's HiNa Battery Technology and is equipped with a 110 kV transformer station.

What is a sodium ion battery?

The sodium ion cells used in the project were provided by Sino-Science Sodium and the project marks a new stage in the commercial operation of sodium ion battery energy storage, the company said. Sodium ion batteries are cheap, recyclable, environmentally friendly, safe and are already showing impressive increases in power.

Where is Datang Group's 100 mw/200 MWh sodium-ion energy storage project located?

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.

Where is China's largest sodium-ion system located?

Previously, the largest operational sodium-ion system was China Southern Power Grid's Fulin 10 MWh BESS project, located in Nanning, southwestern China. The power station, which represents the first phase of a 100 MWh



project, also features HiNa Battery's cells.

Are sodium-ion batteries a breakthrough in productivity?

Sodium-ion batteries represent a breakthrough in productivity, solving problems associated with the limited and uneven distribution of lithium resources, which in China represent only 6.3% of the world's reserves.



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Yunnan's Baochi Energy Storage Station Pioneers Grid-Forming Sodium-Ion

The Baochi Energy Storage Station recently commissioned by China Southern Power Grid (CSG) is a significant development in the renewable energy sector. Located in ...

China First Demonstrates the 100 kWh Na-Ion Battery ...

The world's first energy storage power station based on the 100 kWh Na-ion battery (NIB) system was launched on 29 th March, 2019, ...



Sineng Electric to Supply Energy Storage Solutions to the World's

Sineng's 2.5MW string PCS MV turnkey solution is meticulously designed to align with the sodium-ion battery energy storage system's wide DC voltage range, supporting rated ...

World's Largest Sodium-Ion Battery Now Operational

The Datang Hubei Sodium Ion New Energy Storage Power Station stands as a landmark



project in the energy storage sector. With 50 MW/100 MWh capacity, it surpasses ...

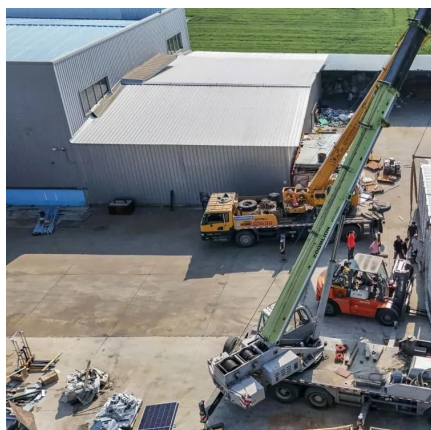


China's First Large-Scale Lithium-Sodium Hybrid Energy Storage Station

The Baochi Energy Storage Station represents a significant advancement in China's new energy storage industry, broadening the application of sodium-ion technology and ...

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

The power station is China's first 100 MWh-level sodium-ion energy storage project, marking the sodium-ion battery sector's entrance into a new commercialization stage.



BLUETTI Unveils Sodium-Ion Power Station and Off-Grid ES

4 days ago · At IFA Berlin, BLUETTI, a leading provider of energy storage solutions, unveils three breakthroughs: the Pioneer Na, the world's first sodium-ion portable power station; the ...



China launches sodium-ion battery energy storage ...

China has launched its first large-scale sodium-ion battery energy storage station, potentially reducing reliance on lithium-based batteries.



Sineng Electric to supply energy storage solutions for sodium-ion ...

The project is China's first 100-MWh-scale energy storage power station to utilize sodium-ion batteries. Developed and managed by Datang Hubei Energy Development, the ...

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 ...



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

The power station is China's first 100 MWh-level sodium-ion energy storage project, marking the sodium-ion battery sector's entrance into a new ...



Bluetti Unveils the World's First Sodium-Ion Portable Power Station

2 days ago · Bluetti, a leading Chinese manufacturer of energy storage systems, has launched the world's first sodium-ion portable power station, the Pioneer Na. Announced at the 2025 ...

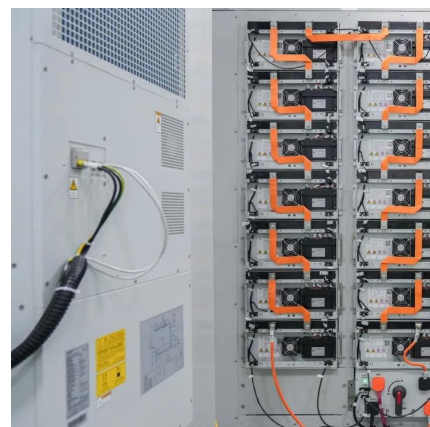


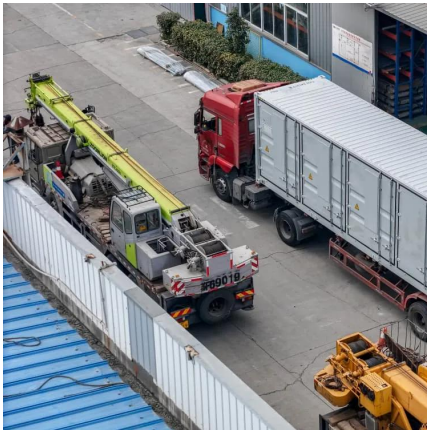
Largest sodium-ion battery energy storage project operating

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

World's biggest sodium-ion battery switches on, able ...

The world's largest energy storage facility using next-generation sodium-ion batteries has begun operations in China. The 100,000 kWh project ...





World's biggest sodium-ion battery switches on, able to power ...

The world's largest energy storage facility using next-generation sodium-ion batteries has begun operations in China. The 100,000 kWh project in the Hubei province is capable of ...

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

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



China's first sodium-ion battery energy storage station ...

The launch of China's first large-scale sodium-ion battery energy storage station could have wide-ranging implications for the clean-energy ...

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

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 ...



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

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 ...



[Video: Inside China's New Large-Scale Sodium ...](#)

The switch has been thrown at a 10-MWh-sodium-ion battery energy storage station in SW China--a milestone in scaling the technology.



[World's largest sodium-ion BESS starts operation](#)

July 12, 2024: The first phase of China's state-owned Datang Group's new energy storage power station has been connected to the grid in Qianjiang, Hubei Province, making it the world's ...





Hina Battery Unveils Massive Sodium-Ion Energy Storage System

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.



China Datang Corporation Ltd.

On June 30, 2024, the phase I project of the Datang Hubei 100 MW/200 MWh sodium-ion new energy storage power station sci-tech innovation demonstration project, China's first 100 MWh ...

World's largest sodium-ion battery goes into operation

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 project in ...



Hina Battery Unveils Massive Sodium-Ion Energy ...

This project opened on June 30, 2024, with battery cells supplied by Zhongke Haina, making it the largest sodium-ion battery energy storage ...



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

Its capacity will eventually be doubled to 100MW/200MWh, but is almost certain to already be the largest sodium-ion project in the world, as ...

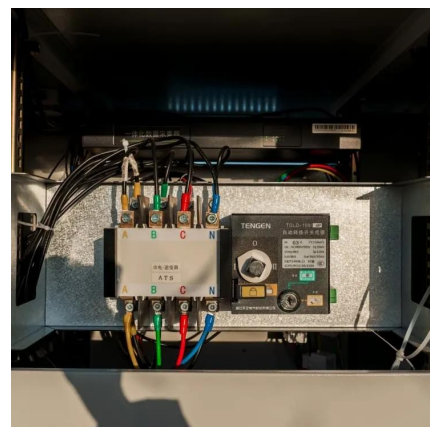


[List of energy storage power plants](#)

This is a list of energy storage power plants worldwide, other than pumped hydro storage. Many individual energy storage plants augment electrical grids by capturing excess electrical energy ...

Company News

On July 14, 2023, Great Power signed a demonstration project of 5MW/10MWh Sodium-ion Battery Energy Storage Power Station with Qingdao ...



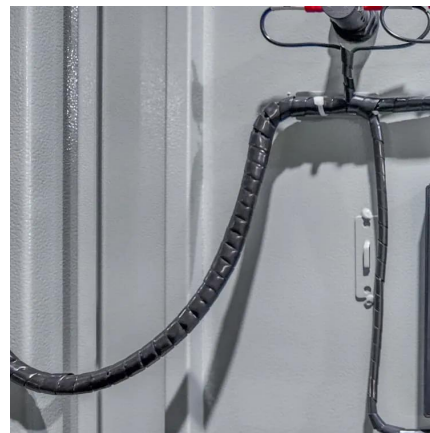


World's largest sodium-ion battery goes into operation

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

Previously, the largest operational sodium-ion deployment was China Southern Power Grid's Fulin 10MWh BESS station. This announcement comes just under a month since ...



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