



Heishan sodium ion energy storage project





Overview

What is the first large-scale sodium-ion battery energy storage station in China?

In May 2024, Southern Grid commissioned a 10 MWh sodium-ion battery energy storage station in Nanning, Guangxi province, the first large-scale sodium-ion battery energy storage station in China. 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.

How much does the sodium-ion energy storage project cost?

When complete, the Datang Hubei solar park's Sodium-ion Energy Storage Project will offer 200 MWh capacity at the cost of about \$27.5 million spread over 30 acres, and that would be enough to keep the lights on at 24,000 households.

Could a sodium-ion grid battery be a harbinger of a future?

The largest sodium-ion grid battery project so far has been put into operation as a harbinger of things to come for electric utilities. They are now facing the ungrateful task of balancing the intermittent supply from renewables with energy storage systems on the cheap, and the affordable sodium-ion battery technology offers a way forward.

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.



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['World's largest' sodium-ion battery energy ...](#)

This is currently the world's largest sodium-ion battery energy storage project and marks a new stage in the commercial operation of ...

[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 Largest Sodium-ion Battery Energy Storage Project ...](#)

Developing sodium-ion batteries can effectively solve China's overreliance on imported raw materials for lithium-ion batteries, with the country having rich reserves of ...



['World's largest' sodium-ion battery energy ...](#)

The energy storage station can store 100,000 kWh of electricity on a single charge, which can meet the needs of around 12,000 ...



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

The energy storage project includes 42 energy storage warehouses and 21 machines integrating energy boosters and converters, using large-capacity sodium-ion ...



[Largest sodium-ion battery system comes ...](#)

...

Armed with government R& D grants and the need to balance renewable energy in the national electricity grid, HiNa Battery has ...



[Sodium-Ion Batteries: Affordable Energy ...](#)

...

Discover how sodium-ion batteries offer a low-cost, eco-friendly alternative to lithium-ion, paving the way for efficient renewable ...





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

Developing sodium-ion batteries can effectively solve China's overreliance on imported raw materials for lithium-ion batteries, with the ...



[A brief review of milestone events in China's sodium-ion ...](#)

May 26, 2024 Gansu Jinchang: On May 22, Jinchang City launched a tender for the 10GWh sodium-ion battery base project, planning to introduce and build a sodium-ion battery ...

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

This is currently the world's largest sodium-ion battery energy storage project and marks a new stage in the commercial operation of sodium-ion battery energy storage systems, ...



[World-largest sodium-ion phosphate battery ...](#)

The system is the first ever fully passive megawatt-hour scale battery storage system, and the first grid-scale sodium-ion storage ...





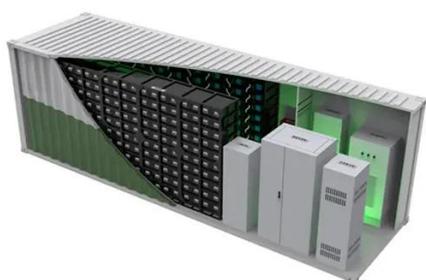
[China's 1st large-scale lithium-sodium hybrid ...](#)

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



[The world's largest 100MWh sodium-ion energy storage project ...](#)

In Hubei, China, a large-scale battery energy storage system (BESS) project using sodium-ion technology will be completed this year with an installed capacity of 50MW/100MWh.



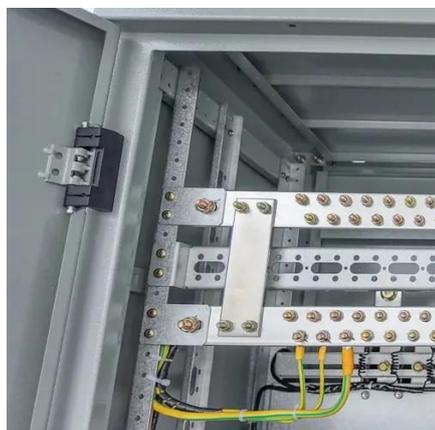
[Hybrid Lithium-Sodium-Ion Battery Storage System Goes ...](#)

A hybrid battery energy storage system (BESS) combining Lithium-ion and sodium-ion technology with a capacity of 200MW/400MWh is now fully operational in Qiubei County, ...



[World's largest sodium-ion project comes ...](#)

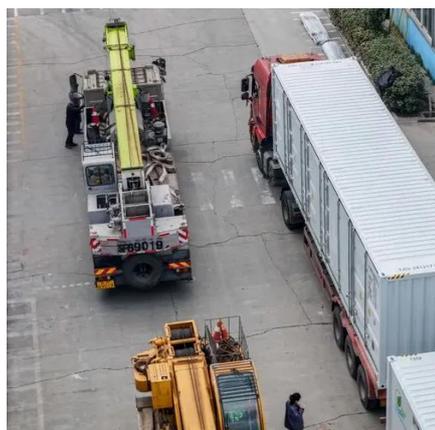
The first phase of the world's largest sodium-ion battery energy storage system (BESS), in China, has come online.





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

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



[CATL to Deploy Sodium-Ion Batteries at Scale in 2026](#)

CATL plans large-scale sodium-ion battery deployment in 2026 for swap systems, EVs, and energy storage. Its Naxtra cells offer up to 175 Wh/kg energy density, -40 °C ...

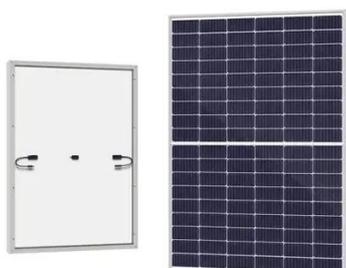
[World's largest sodium-ion BESS starts ...](#)

The sodium ion cells used in the project were provided by Sino-Science Sodium and the project marks a new stage in the ...



[Largest sodium-ion battery system comes online to balance ...](#)

Armed with government R& D grants and the need to balance renewable energy in the national electricity grid, HiNa Battery has unveiled the world's biggest sodium-ion storage ...





[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 ...



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

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 ...

[Peak Energy, Phenogy deploy sodium-ion ...](#)

Advances in Na-ion BESS come from Peak Energy in the US, and Phenogy, deploying Europe's largest sodium-ion system in Germany.



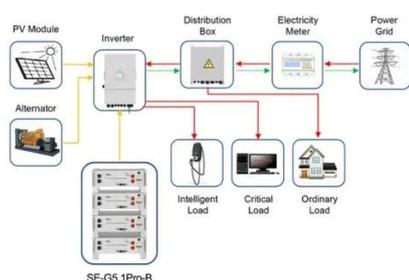
[Can CATL's Naxtra sodium-ion battery Break Lithium's ...](#)

CATL's Naxtra sodium-ion batteries hit 175 Wh/kg, work at -40°C, cut costs 30-50%, and challenge lithium dominance by 2026.



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.



Application scenarios of energy storage battery products

BYD launches sodium-ion grid-scale BESS

BYD has launched what it claimed is the 'world's first high-performance' sodium-ion BESS product, using its Long Blade Battery cell.



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