



MODERNIZATION SOLAR

# China Southern Power Grid High Voltage Energy Storage Power Station





## Overview

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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.

What is the largest grid-forming energy storage station in China?

This marks the completion and operation of the largest grid-forming energy storage station in China. The photo shows the energy storage station supporting the Ningdong Composite Photovoltaic Base Project. This energy storage station is one of the first batch of projects supporting the 100 GW large-scale wind and photovoltaic bases nationwide.

Where is baochi energy storage station located?

The Baochi energy storage station -- operated by China Southern Power Grid (Southern Grid) and located in Wenshan, Yunnan province in southwestern China -- can store up to 800,000 kWh of electricity per day, which can be used by 270,000 households, according to a Xinhua news agency report yesterday.

Where will lithium-sodium hybrid systems be deployed in China?

As standardization frameworks develop, lithium-sodium hybrid systems could see broader deployment across China's renewable-rich regions such as Tibet, Xinjiang, and Gansu. Grid-forming storage is projected to account for up to 40% of China's new energy storage market by 2030.



## China Southern Power Grid High Voltage Energy Storage Power Station

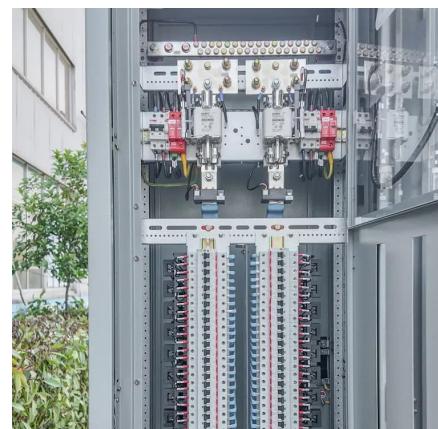


### [First large-scale hybrid lithium-sodium ...](#)

Jun 4, 2025 · China Southern Power Grid (CSG) announced on May 26 the commissioning of the Baochi Energy Storage Station in Wenshan, ...

### [my country's first mobile battery energy storage station ...](#)

Recently, my country's first mobile large-capacity high-voltage cascade battery energy storage power station (10kV/6MW), invested and constructed by China Southern Power Grid Energy ...

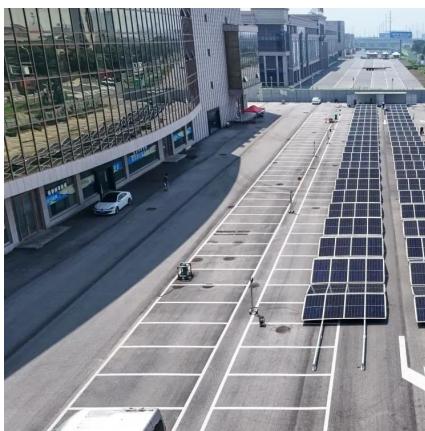


### [China's 1st large-scale lithium-sodium hybrid ...](#)

May 27, 2025 · The Baochi energy storage station -- operated by China Southern Power Grid (Southern Grid) and located in Wenshan, Yunnan ...

## China Southern Power Grid

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

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## Company Profile

The company is a global leader in ultra-high voltage (UHV) transmission technology and boasts other core technologies including UHVDC transmission, VSC HVDC transmission, large-scale ...



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### **First large-scale hybrid lithium-sodium battery energy storage ...**

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### [China's First Lithium-Sodium Hybrid Energy Storage Station ...](#)

May 28, 2025 · China's first large-scale lithium-sodium hybrid energy storage station, located in Wenshan, Yunnan province, is now operational. The station, run by China Southern Power ...



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

Jun 3, 2025 · China Southern Power Grid (CSG) announced on May 26 the commissioning of the Baochi Energy Storage Station in Wenshan, Yunnan province -- a national pilot project and ...



## China leads the world in new-type energy storage capacity

Sep 11, 2025 · "China's advances in new-type energy storage are moving from isolated breakthroughs to a more systematic framework," said Rao Hong, chief scientist at China ...

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