



MODERNIZATION SOLAR

China Southern Power Grid High Voltage Energy Storage Power Station





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.

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.



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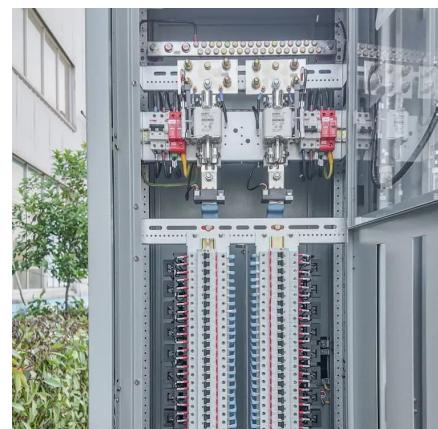


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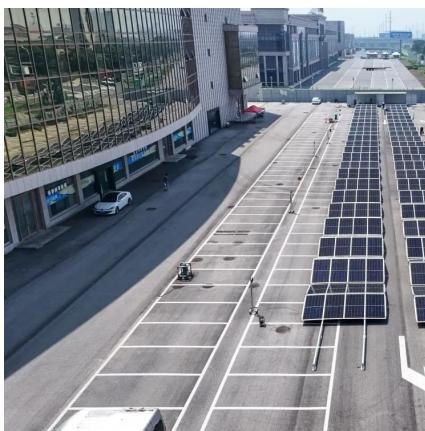


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China Southern Power Grid

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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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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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