



# China Southern Power Grid Lithium Battery Energy Storage

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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.

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.

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.

Does a hybrid lithium-sodium storage system save money?

CSG estimates that the hybrid lithium-sodium model reduces system costs by around 30% compared with sodium-only storage, offering a more balanced trade-off between efficiency and economics.

CSG's power grid covers the five provincial-level regions in southern China and is connected to the power grids of Hong Kong and Macao SARs, as well as Southeast Asian countries, ...

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

A new energy storage plant featuring sodium- and lithium-ion batteries has opened in China's Yunnan province. The energy storage station, operated by China Southern Power Grid, is ...

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 ...



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On May 25, China's first large-scale lithium-sodium hybrid energy storage station -- the Baochi energy storage station developed by CSG -- was officially put into operation in Wenshan ...

The Bottom Line China's first large-scale lithium-sodium hybrid energy storage station is a game-changer for the renewable energy landscape. By integrating the strengths of both lithium and ...

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Chinese state-owned grid operator China Southern Power Grid has switched on the country's first large-scale lithium-sodium hybrid energy storage station, a 200MW/400MWh ...

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