

# Energy Storage Power Station China Southern Power Grid





## Overview

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Where is China's first large-scale energy storage plant?

A 10-MWh sodium-ion battery energy storage station has been put into operation in Guangxi, southwest China, the country's first large-scale energy storage plant using sodium batteries. (Image credit: China Southern Power Grid Energy Storage).

What is China Southern power grid's Guangxi energy storage station?

The energy storage station, built by China Southern Power Grid's Guangxi branch, is the first phase of an overall 100-MWh project.

Where is a 10 MWh sodium-ion battery storage station located?

A 10-MWh sodium-ion battery storage station was put into operation on May 11 in Nanning, Guangxi in southwestern China, said China Southern Power Grid Energy Storage, the energy storage arm of Chinese grid operator China Southern Power Grid.

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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### [Yunnan's Baochi Energy Storage Station Pioneers Grid ...](#)

Jun 4, 2025 · The Baochi Energy Storage Station recently commissioned by China Southern Power Grid (CSG) is a significant development in the renewable energy sector. Located in ...

### **Largest New-Type Energy Storage Power Station in GBA Put ...**

Jan 17, 2024 · Operated by China Southern Power Grid (CSG), it integrates multiple lithium battery-based energy storage technology routes for the first time in China, which is expected ...



### [China launches world's first grid-forming sodium-ion ...](#)

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 flips switch on cutting-edge energy ...](#)

Jul 15, 2025 · A new energy storage plant featuring sodium- and lithium-ion batteries has opened in China's Yunnan province. The energy storage ...



### China launches world's first grid-forming

...

Jun 3, 2025 · China Southern Power Grid (CSG) announced on May 26 the commissioning of the Baochi Energy Storage Station in Wenshan, ...



### China Southern Power Grid: After ten years of hard work, ...

In May and June 2023, Yangjiang Pumped Storage Power Station (hereinafter referred to as "Yangxu Power Station") of Southern Power Grid Energy Storage Company has successively ...



### **China Debuts World's First Grid-Forming Sodium-Ion Battery ...**

Jun 4, 2025 · China has officially launched the world's first grid-forming Sodium-ion Battery energy storage facility. The Baochi Energy Storage Station, located in Yunnan province, comes as a ...





## China's 1st large-scale sodium battery energy storage station ...

May 13, 2024 · A 10-MWh sodium-ion battery energy storage station has been put into operation in Guangxi, southwest China, the country's first large-scale energy storage plant using sodium ...



## CSG Builds the First Megawatt Battery Energy Storage Station

It is the first indigenous station-type battery energy storage system with secondary fire extinguishing functions, automatic fire alarm and extinguishing system, achieving a new ...

## [China's 1st large-scale sodium battery energy ...](#)

May 13, 2024 · A 10-MWh sodium-ion battery energy storage station has been put into operation in Guangxi, southwest China, the country's first ...



## [Power Generation in China: A Survey on Current Grid ...](#)

Jul 2, 2025 · Executive Summary This paper explores the trajectory of China's energy and power generation landscape by addressing topics related to policy, technology, infrastructure, and ...



## [China flips switch on cutting-edge energy facility with ...](#)

Jul 15, 2025 · 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 ...

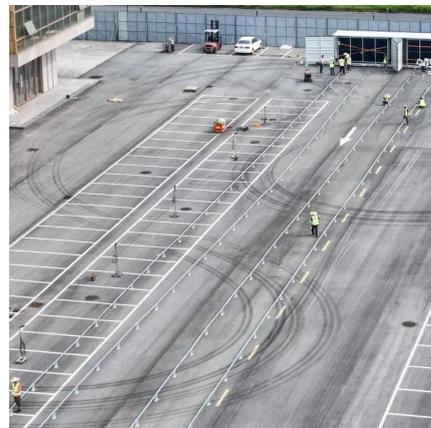


## [Across China: Pioneering energy storage system lights up](#)

Jul 13, 2025 · The world's first intelligent grid-forming photovoltaic and energy storage power station, tailored for ultra-high altitudes, low-temperatures and weak-grid scenarios, has been ...

## **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 ...



### [World-first? Kortrong Energy Storage joins ...](#)

Mar 15, 2023 · The immersion energy storage system newly developed by Kortrong has been successfully applied to the world's first immersion ...



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

Jul 2, 2024 · 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 ...

### **China Southern Power Grid: Pumped storage capacity will exceed**

Apr 25, 2022 · The construction of the new energy storage station will provide high-quality power conversion and peak shaving ...



### [Welcome to China Southern Power Grid](#)

6 days ago · Our Core Business Power Grid Development Safe Power Supply Science and Innovation UHVDC Smart Grid Energy Storage Simulation Laboratory Pumped Storage DC ...



### [Nio's power unit ties up with China Southern ...](#)

Feb 26, 2024 · China Southern Power Grid Energy Storage will work with Nio Power in areas including battery banks, battery swap stations, and virtual ...



### [China's Largest Grid-Forming Energy Storage Station ...](#)

Apr 9, 2024 · On March 31, the second phase of the 100 MW/200 MWh energy storage station, a supporting project of the Ningxia Power's East Ningxia Composite Photovoltaic Base Project ...

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

Jul 2, 2024 · The first phase of Datang Group's 100 MW/200 MWh sodium-ion energy storage project in Qianjiang, Hubei Province, was connected ...



### [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 ...



## New power system , China's first large-scale lithium-sodium ...

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 ...



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