

China Southern Power Grid Power Generation and Energy Storage 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.

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.

Who makes the world's first high-capacity power sodium-ion batteries?

Hina Battery, a Chinese power battery maker, said yesterday that the energy storage station uses the world's first high-capacity power sodium-ion batteries made by the company. (Sodium-ion batteries used in the Baochi energy storage station. Image credit: Hina Battery).

How big is the energy storage station?

The energy storage station covers an area of about 50 mu (33,333 square meters) and has more than 150 battery compartments and boost-converter compartments with a maximum instantaneous output capacity of 200 MW.



China Southern Power Grid Power Generation and Energy Storage S

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

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

China's first high-capacity sodium-ion battery ...

May 12, 2024 · China's first large-scale sodium-ion battery energy storage station officially commenced operations on Saturday. The station will help ...

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: 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 Southern Power Grid Energy Storage System

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 ...

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

Jun 4, 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's 1st large-scale sodium battery energy ...

May 13, 2024 · A 10-MWh sodium-ion battery storage station was put into operation on May 11 in Nanning, Guangxi in southwestern China, said ...

CSG Energy Storage Technology and NIO Power Join Hands ...

Nov 17, 2025 · As the first to build a megawatt-level lithium battery energy storage station in China, CSG Energy Storage currently manages nine electrochemical energy storage stations, ...

Welcome to China Southern Power Grid

Nov 10, 2025 · Our Core Business Power Grid Development Safe Power Supply Science and Innovation UHVDC Smart Grid Energy Storage Simulation Laboratory Pumped Storage DC ...

Energy storage supplier of china southern power grid

The company is pushing forward construction of three pumped-storage hydropower stations in Guangdong and Guangxi with a total investment of 24 billion yuan (\$3.75 billion) and a ...



China Southern Power Grid, NIO Energy team ...

Feb 26, 2024 · Shanghai (Gasgoo)- On February 26, 2024, China Southern Power Grid Peak Regulation and Frequency Modulation (Guangdong) ...

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 ...

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 ...

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, ...

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 ...

Qingyuan Pumped Storage Hydroelectric ...

Apr 7, 2020 · The 1.28GW Qingyuan pumped storage hydroelectric power plant is located in the Guangdong province of China. The power plant is ...

How is China Southern Power Grid Energy Storage ...

Mar 17, 2024 · The inquiry seeks to address key aspects concerning the operations and innovations of China Southern Power Grid Energy Storage Technology Company, uncovering ...

75MW/150MWh! Two Grid-Side Independent Energy Storage ...

News of China Energy Storage: In recent years, Southern Power Grid Peak Shaving Frequency Modulation Power Generation Co., Ltd. has firmly seized the strategic development ...

China's first large-scale sodium-ion battery ...

May 18, 2024 · China's first major sodium-ion battery energy storage station is now online, according to China Southern Power Grid Energy Storage.

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 ...

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 ...



Power plant profile: Hainan Qiongzong, China

Oct 21, 2024 · The project was developed by China Southern Power Grid and is currently owned by Hainan Pumped Storage Power Generation. Hainan Qiongzong is a pumped storage project.

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