

China Southern Power Grid Energy Storage Project Statistics





Overview

Is China's energy storage capacity poised for significant growth?

Fueled by innovative technologies and rapid advances in the renewables sector, China's energy storage capacity is poised for significant growth, the National Energy Administration said on Wednesday.

How many hours a day does China Southern power grid use?

Meanwhile, figures for that of China Southern Power Grid's operating areas reached 560 hours, nearly matching the total utilization for 2023, he said.

How many kilowatts is China storing?

The country's power storage capacity has steadily increased this year, with over 44 million kilowatts already in operation by the end of June, up 40 percent year-on-year, the energy authority said during a news conference in Beijing.

How can a gigawatt-scale renewable base project improve China's grid system?

As numerous gigawatt-scale renewable base projects come online in Northwest China, the local grid system must integrate this renewable capacity, optimize power output and manage the intermittency issues associated with wind and solar energy, said Deng.

How is the government advancing energy storage technologies?

The government has been continuously advancing energy storage technologies, with several compressed air energy storage, flow battery storage, and sodium-ion battery storage projects put into operation across the nation, Bian Guangqi, an NEA official, said at the conference.

Where are new energy storage facilities being built?



According to the administration, the northern and northwestern parts of the country have seen the fastest development of new-type energy storage facilities, accounting for over 50 percent of the newly operational energy storage installations nationwide.



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FLEXIBLE SETTING OF MULTIPLE WORKING MODES



[China leads the world in new-type energy storage capacity](#)

10 hours ago· "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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[China Debuts World's First Grid-Forming Sodium-Ion Battery Plant](#)

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 ...

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[China switches on first large-scale sodium-ion battery](#)

From pv magazine Global China Southern Power Grid Energy Storage, the energy storage division of China Southern Power Grid, has ...

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[New energy installed capacity in southern China surpasses 200m ...](#)

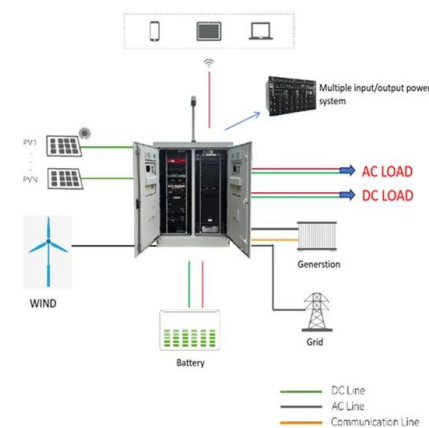
Currently, the total installed capacity in the five southern provinces and regions includes 62.16 million kW of wind power, 83.46 million kW of centralized photovoltaic power, ...

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

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

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[China Southern Power Grid: Pumped storage capacity ...](#)

It is estimated that by 2030, the capacity of pumped storage power stations will exceed 30 million kilowatts, which will continue to promote the ...

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[Tsinghua University \(EEA\) & Southern Power Grid Power ...](#)

In the past five years, the team has undertaken more than 100 national key research and development projects, National Natural Science Foundation projects, and provincial and ...

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[CHINA'S ACCELERATING GROWTH IN NEW TYPE ...](#)

In terms of storage types, the dominant advantage of lithium-ion batteries continues to expand, accounting for 97.4% of the new type storage installation. Other types, such as air ...

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[China's first sodium-ion battery energy storage station ...](#)

The sodium-ion battery energy storage station in Nanning, in the Guangxi autonomous region in southern China, has an initial storage capacity ...

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[China Energy Transition Review 2025](#)

In the first half of 2025, investment in key national energy projects - including offshore wind and grid upgrades - rose by 22% year-on-year, and new-type energy storage jumped 69%.

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[China's first large-scale sodium-ion battery goes online](#)

"Compared with lithium-ion battery energy storage, sodium-ion battery energy storage raw materials have abundant reserves, are easy to extract, are low-cost, and have ...

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[Uzbekistan to build first storage power plants in ...](#)

China Southern Power Grid Company Limited is a state-run energy company operating in Southern China. The company specializes in the ...

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[China Southern Power Grid: A Myriad of Twinkling Lights](#)

China Southern Power Grid Co., Ltd. (hereinafter referred to as CSG) was established in 2002. CSG invests, constructs, and operates power networks in Guangdong, ...

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[China energy storage project pipeline grows by 140 GWh in July](#)

According to data from China's Energy Storage Application Branch (CESA), mainland China has seen a surge in energy storage activity, with 1,468 new project ...

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[CSG Energy Storage Technology and NIO Power Join Hands in...](#)

Witnessed by Liu Guogang, Chairman and Party Secretary of China Southern Power Grid Energy Storage Co., Ltd. ("CSG Energy Storage"), and William Li, Founder, ...

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[Power grids to ramp up investment in network clean energy](#)

China Southern Power Grid, one of the country's two major power grids, vowed to invest 670 billion yuan (\$105 billion) recently in grid network construction during the 14th Five-Year Plan ...

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

From ESS News China Southern Power Grid (CSG) announced on May 26 the commissioning of the Baochi Energy Storage Station in Wenshan, ...

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[Energy storage capacity to see robust uptick](#)

Fueled by innovative technologies and rapid advances in the renewables sector, China's energy storage capacity is poised for significant growth, the National Energy ...

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

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[China Southern Power Storage: Revolutionizing Energy ...](#)

As China Southern Power Storage projects expand at 28% CAGR (2023-2030), industry leaders face pressing questions: How do we reconcile massive renewable integration with grid ...

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