



**SolarTech Power Solutions**

# **Utilization hours of the China Southern Power Grid's 2MW energy storage power station**



## Overview

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In the operating area of China Southern Power Grid, the equivalent utilization hours of new energy storage in the first half of 2024 reached 560 hours, approaching the total utilization level for the entire year of 2023. 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 long do energy storage systems last?

The average storage duration of new energy storage systems reached 2.3 hours, an increase of approximately 0.2 hours compared to the end of 2023. Operational efficiency also improved, with equivalent utilization hours of approximately 1,000 hours in 2024, according to statistics from grid enterprises.

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 big is energy storage in 2024?

By the end of 2024, the cumulative installed and operational capacity of new energy storage projects nationwide reached 73.76 GW/168 GWh, approximately 20 times that of the end of the 13th Five-Year Plan and more than 130% higher than at the end of 2023.

## Utilization hours of the China Southern Power Grid's 2MW energy storage system

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