



BUHLE POWER

Statistics of power grid energy storage projects





Overview

What is the cumulative installed capacity of energy storage projects?

The cumulative installed capacity of new energy storage projects is 21.1GW/44.6GWh, and the power and energy scale have increased by more than 225% year-on-year. Figure 1: Cumulative installed capacity (MW%) of electric energy storage projects commissioned in China (as of the end of June 2023).

How big is China's energy storage capacity?

According to incomplete statistics from CNESA DataLink Global Energy Storage Database, by the end of June 2023, the cumulative installed capacity of electrical energy storage projects commissioned in China was 70.2GW, with a year-on-year increase of 44%.

How can energy storage support the global transition to clean electricity?

To support the global transition to clean electricity, funding for development of energy storage projects is required. Pumped hydro, batteries, hydrogen, and thermal storage are a few of the technologies currently in the spotlight.

What percentage of energy storage is pumped?

Pumped hydro accounted for less than 70% for the first time, and the cumulative installed capacity of new energy storage [i.e. non-pumped hydro ES] exceeded 20GW.



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[U.S. Grid Energy Storage Factsheet](#)

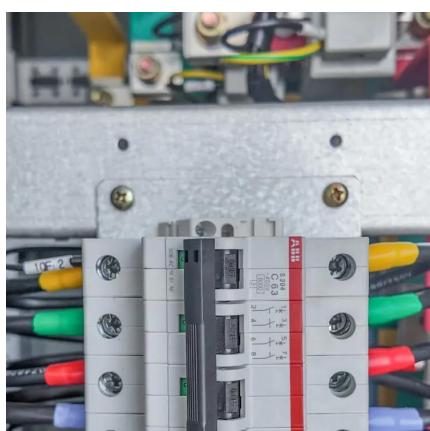
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Global installed energy storage capacity by scenario, 2023 ...

Apr 25, 2024 · Global installed energy storage capacity by scenario, 2023 and 2030 - Chart and data by the International Energy Agency.

Global energy storage

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Energy storage on the electric grid , Deloitte Insights

Nov 10, 2025 · Then, by analyzing three key dimensions--renewable energy integration, grid optimization, and electrification and decentralization support--we explore potential strategies, ...



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