

# Energy storage project capacity size





## Overview

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How big is China's energy storage capacity?

The cumulative installed capacity of new energy storage in China is expected to exceed 100 gigawatts (GW) by 2025, according to the Energy Storage Industry Research White Paper 2025 released by the Institute of Engineering Thermophysics on 10 April. The capacity is likely to surpass 200GW by 2030, more than double the 2024 level of 73.76GW.

What drives energy storage project development?

Globally, energy storage project development is increasingly driven by the utility-scale segment, with mandates and targeted auctions driving gigawatt-hour projects in markets like China, Saudi Arabia, South Africa, Australia and Chile.

What is the future of energy storage in China?

The new energy storage market in China has great development potential in the future. The cumulative installed capacity of new energy storage in China is expected to exceed 100 gigawatts (GW) by 2025, according to the Energy Storage Industry Research White Paper 2025 released by the Institute of Engineering Thermophysics on 10 April.

How big is non-hydro energy storage in 2024?

In the first three quarters of 2024, newly operational non-hydro energy storage installations reached 20.67 GW/50.72 GWh, representing year-on-year growth of 69% in power capacity and 99% in energy capacity.



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China switches on its largest standalone battery storage project

Jul 21, 2025 · This project is the largest hybrid energy storage installation in China and hosts the world's largest grid-forming vanadium redox flow battery, set to reach a 250 MWh/1 GWh ...

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12.5GWh of grid-scale battery storage ...

Sep 15, 2025 · Stage 1 of independent power producer Neoen's Collie Battery project in Western Australia, which uses Tesla Megapacks and ...

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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.

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Largest BESS Projects in the World 2025

Apr 29, 2025 · 1. What is the largest battery storage in the world in 2025? As of 2025, the Moss Landing Energy Storage Facility in California holds the title for the largest battery storage in ...

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INSIGHT: China new energy storage capacity to surge by 2030

Apr 14, 2025 · China new energy storage capacity more than double by 2030 China new energy storage capacity at 73.76 million kW/168 million kWh by the end of 2024 Policy support ...

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Global Energy Storage Growth Upheld by ...

Jun 18, 2025 · The global energy storage market is poised to hit new heights yet again in 2025. Despite policy changes and uncertainty in the world's ...

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CNESA Global Energy Storage Market Tracking

Nov 16, 2024 · China market: Pumped Hydro Storage share falls below 50% for the first time. Non-hydro Storage accumulative installations surpass 50GW for the first time. According to ...

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Global Energy Storage Projects: Capacity Trends and Future ...

Why Energy Storage Is Stealing the Spotlight Let's face it - global energy storage project installed capacity isn't exactly dinner party conversation. But here's the kicker: these silent power ...

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12.5GWh of grid-scale battery storage commissioned in ...

Sep 15, 2025 · Stage 1 of independent power producer Neoen's Collie Battery project in Western Australia, which uses Tesla Megapacks and went online in October 2024. The second phase ...

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China switches on its largest standalone ...



Jul 21, 2025 · This project is the largest hybrid energy storage installation in China and hosts the world's largest grid-forming vanadium redox flow ...

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China powers up nation's largest standalone battery storage project

4 days ago · A 500 MW/2,000 MWh standalone battery energy storage system (BESS) in Tongliao, Inner Mongolia, has begun commercial operation following a five-month construction ...

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Global energy storage

Feb 27, 2025 · Global additions of energy storage capacity 2010-2024 Annual gross capacity additions of energy storage worldwide in selected years from 2010 to 2023 (in gigawatt-hours)

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Global Energy Storage Growth Upheld by New Markets

Jun 18, 2025 · The global energy storage market is poised to hit new heights yet again in 2025. Despite policy changes and uncertainty in the world's two largest markets, the US and China, ...

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INSIGHT: China new energy storage capacity ...

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