

New energy storage growth rate





Overview

Newly commissioned new energy storage projects in 2024 reached an impressive scale of 43.7 GW, representing a year-on-year growth rate of 103 percent and accounting for 59 percent of global market share, demonstrating China's dominant position in the global energy storage landscape. What is the future of energy storage?

Global installed energy storage is on a steep upward trajectory. From just under 0.5 terawatts (TW) in 2024, total capacity is expected to rise ninefold to over 4 TW by 2040, driven by battery energy storage systems (BESS). Last year saw a record-breaking 200 gigawatt-hours (GWh) of new BESS projects coming online, a growth rate of 80%.

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.

Is China entering a new era of energy storage demand?

Mainland China accounts for most of the global energy storage demand, driven in the near term by regional requirements for new utility-scale wind and solar projects to include energy storage capacity. However, the Chinese market is entering an era of change.

How long does energy storage last in 2024?

Highlights from the 2025 Energy Storage Report According to the NEA, 2024 saw the addition of 42.37 GW / 101 GWh in new NES capacity. The average storage duration rose to 2.3 hours, reflecting ongoing improvements in system design and grid integration.



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Energy Storage Outlook

May 25, 2025 · The global power mix has reached a critical point, and Rystad Energy expects a peak in fossil fuels in the power sector to be imminent, with a structural shift ahead of the ...

Global Energy Storage Surges despite Policy Shifts, New ...

Sep 21, 2025 · Growth Rate 2025 -> 35% -> The expected year-over-year increase in global energy storage additions. Projected Additions 2035 -> 220 gigawatts (972 gigawatt-hours) -> ...

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, ...

Energy storage capacity to see robust uptick

Aug 1, 2024 · Fueled by innovative technologies and rapid advances in the renewables sector, China's energy storage capacity is poised for significant growth, the National Energy ...

Energy Storage Market Size, Growth, Share & Industry ...

Nov 26, 2025 · The Energy Storage Market is expected to reach USD 295 billion in 2025 and grow at a CAGR of 9.53% to reach USD 465 billion by 2030. Contemporary Amperex ...

Energy storage industry put on fast track in China

Feb 14, 2024 · The energy storage power plants help improve the utilization rate of wind power, solar and other renewable sources, thus promoting the proportion of new energy consumption.

China shines in global energy storage

Nov 5, 2024 · According to the alliance, China's energy storage sector has seen unprecedented growth, with the operational capacity of new energy ...

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Jan 23, 2025 · China's National Energy Administration (NEA) announced on January 23 that the country's installed capacity of new energy storage had surged to 73.76 GW/168 GWh by the ...

China National Energy Administration Released Official ...

Aug 3, 2025 · The China New Energy Storage Development Report 2025 represents a major milestone in the institutionalization of NES planning and governance in China. By quantifying ...

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Global energy storage

Feb 27, 2025 · Global energy storage capacity outlook 2024, by country or state Leading countries or states ranked by energy storage capacity target worldwide in 2024 (in gigawatts)

Demands and challenges of energy storage ...

Dec 24, 2024 · According to the data released by the National Energy Administration in China, 13, 14 as of the end of 2023, the total installed ...

2H 2023 Energy Storage Market Outlook

Oct 9, 2023 · Global energy storage's record additions in 2023 will be followed by a 27% compound annual growth rate to 2030, with annual ...



China National Energy Administration ...

Aug 3, 2025 · The China New Energy Storage Development Report 2025 represents a major milestone in the institutionalization of NES planning ...

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