

# New Energy Storage Demand





## Overview

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J.P. Morgan's recent analysis shows that shipments of stationary energy storage batteries will rise by 50% in 2025 and 43% in 2026. This surge is causing the lithium supply to move into a deficit. 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.

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%.

Will energy storage growth continue through 2025?

With developers continuing to add new capacity, including 9.2 GW of new lithium-ion battery storage capacity in 2024 through November 2024 and comparable levels of growth expected through the fourth quarter of 2024, energy storage investments and M&A activity are expected to continue this trajectory through 2025.

Why is storage demand increasing?

Storage demand continues to escalate, driven by the pressing need to decarbonise economies through renewable integration on the grid and by load increases from data centre demand, manufacturing and increased electrification.



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### Energy Storage Outlook

May 25, 2025 · While power demand is expected to continue to see strong growth in 2025 and beyond, the growth rate of low-carbon energy sources is now close to covering the entire ...

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### China emerging as energy storage powerhouse

May 23, 2024 · New energy storage, or energy storage using new technologies such as lithium-ion batteries, liquid flow batteries, ...

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### China Advances Energy Storage Chain with Major New ...

2 days ago · In recent days, China's energy storage and battery industry chain has seen several major project developments. These include the groundbreaking of Ampace's Xiamen Phase II ...

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### The Future of Energy Storage , MIT Energy ...

Storage enables deep decarbonization of electricity systems Energy storage is a potential substitute for, or complement to, almost every aspect of a ...

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### Energy storage: 5 trends to watch in 2025

Jan 30, 2025 · The scene is set for significant energy storage installation growth and technological advancements in 2025. Outlook and analysis of ...

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### Global Energy Trends: Clean Energy Growth and Rising Demand ...

3 days ago · We explore the data to see where the clean energy transition stands today, from rising investment and job growth to grid needs and critical mineral demand.

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### Energy Storage Rides a Wave of Growth but Uncertainty ...

This report comes to you at the turning of the tide for energy storage: after two years of rising prices and supply chain disruptions, the energy storage industry is starting to see price ...

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### Energy storage industry set aggressive goals for 2025

5 days ago · The battery storage industry in the U.S. has grown in leaps and bounds in recent years, surpassing its most aggressive targets to become one of the largest new sources of ...

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### Global energy storage

Feb 27, 2025 · Find the latest statistics and facts on energy storage.

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### Recent advancement in energy storage technologies and ...

Jul 1, 2024 · By contrast, the concept of multi-functional energy storage systems is gaining momentum towards integrating energy storage with hundreds of new types of home ...

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### China leads the world in new-type energy storage capacity

Sep 12, 2025 · This summer, as power demand repeatedly hit record highs, breaking records 36 times across 16 provincial grids, the NEA organized a centralized dispatch trial to leverage ...

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### New energy storage to see large-scale development by 2025

Mar 2, 2022 · China aims to further develop its new energy storage capacity, which is expected to advance from the initial stage of commercialization to large-scale development by 2025, with ...

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### Global Energy Storage Market to Grow 15 ...

Oct 12, 2022 · More ambitious policies in the US and Europe drive a 13% increase in forecast capacity versus previous estimates New York, ...

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### Energy storage technologies: An integrated survey of ...

Nov 30, 2023 · However, the recent years of the COVID-19 pandemic have given rise to the energy crisis in various industrial and technology sectors. An integrated survey of energy ...

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### Demands and challenges of energy storage ...

Dec 24, 2024 · According to relevant calculations, installed capacity of new type of energy storage in the first 4 months of 2023 has increased by ...

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### Chinese power structure in 2050 considering energy storage and demand

Feb 1, 2025 · Energy storage and demand response offer critical flexibility to support the integration of intermittent renewable energy and ensure the stable operation of the power ...

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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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### 2H 2023 Energy Storage Market Outlook

Oct 9, 2023 · The case for long-duration energy storage remains unclear despite a flurry of new project announcements across the US and China. ...

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### China's new energy storage capacity exceeds 70m KW

Nov 14, 2025 · China's new energy storage sector has seen a rapid growth in 2024, with installed capacity surpassing 70 million kilowatts, said an official with the National Energy ...

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### Energy storage industry set aggressive goals ...

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### How BESS and Lithium Demand Are Shaping Energy Storage: ...

1 day ago · The rising demand is further amplified by policies encouraging renewable energy adoption. Many countries are setting goals for renewable energy and cleaner grids. This opens ...

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New energy storage key to spur economy

May 7, 2025 · Megapack is an electrochemical energy storage device that uses lithium batteries, a dominant technical route in the new-type energy ...

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Energy storage: 5 trends to watch in 2025 , Wood Mackenzie

Jan 30, 2025 · The scene is set for significant energy storage installation growth and technological advancements in 2025. Outlook and analysis of emerging markets, cost and supply chain risk, ...

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