

New energy storage capacity in 2025



Overview

How big will energy storage be in 2025?

BloombergNEF forecasts a record 94 GW (247 GWh) of utility-scale storage in 2025—a 35% rise—driven by China’s storage mandates. US tariffs, policy shifts and LFP dominance will drive growth to 220 GW/972 GWh by 2035. The global energy storage sector is on track for another record year in 2025 as utility-scale projects expand into new regions.

Will China expand its energy storage capacity by 2025?

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 an installed capacity of more than 30 million kilowatts, regulators said.

Why did energy storage surge in Q1 2025?

That makes Q1 2025 the biggest first quarter for energy storage in US history. The surge was led by utility-scale projects, which accounted for over 1.5 GW of the new capacity, a 57% jump compared to Q1 2024. Surging energy demand is putting the electric grid under strain,” said John Hensley, SVP of markets and policy analysis at ACP.

Is energy storage on track for a record year in 2025?

The global energy storage sector is on track for another record year in 2025 as utility-scale projects expand into new regions. BloombergNEF (BNEF) forecasts that developers will add 94 gigawatts (247 gigawatt-hours) of battery capacity this year, a 35% increase over 2024 and the highest annual total to date (excluding pumped hydro).

Will battery storage set a record in 2025?

Battery storage. In 2025, capacity growth from battery storage could set a record as we expect 18.2 GW of utility-scale battery storage to be added to

the grid. U.S. battery storage already achieved record growth in 2024 when power providers added 10.3 GW of new battery storage capacity.

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

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, ...

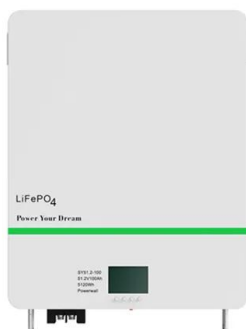
China National Energy Administration Released ...

China's National Energy Administration (NEA) has released the China New Energy Storage Development Report 2025, marking the first official ...



US installs more energy storage in Q1 2025 than ever ...

The U.S. energy storage market added more than 2 GW across all segments in Q1 2025, marking the highest Q1 on record. The utility-scale ...



REPORT: Energy Storage's Meteoric Rise Breaks Another Record

145 MW of community-scale, commercial and industrial (CCI) storage was installed in 2024, a 22% increase over the previous year. California, Massachusetts, and New ...



2MW / 5MWh
Customizable



China emerging as energy storage powerhouse

China aims to further develop its new energy storage capacity, which is expected to advance from the initial stage of commercialization to ...

China leads the world in new-type energy storage capacity

Since the start of the 14th Five-Year Plan period (2021-2025), China's total installed capacity of new energy storage projects has expanded twentyfold. By the end of June ...

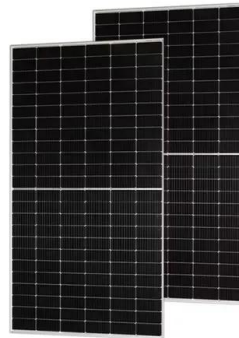


Chart: US is set to shatter grid battery records this year

Last year was fantastic for battery storage. This year is poised to be even better. The U.S. is set to plug over 18 gigawatts of new utility-scale ...

TrendForce: Global Installations Outlook for Energy Storage ...

From the current point of view, large storage is still the main type of global energy storage new installations. TrendForce expects that in 2025 the global large storage ...



U.S. battery capacity increased 66% in 2024

In the United States, cumulative utility-scale battery storage capacity exceeded 26 gigawatts (GW) in 2024, according to our January 2025 Preliminary Monthly Electric ...

US deployed 11.9GW of storage in 2024, 18.2GW ...

PV arrays at Gemini Solar + Storage. CATL provided the BESS containers and IHI Terrasun served as system integrator. The project was one ...



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

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 ...



Global Energy Storage Growth Upheld by New Markets

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, ...



Chart: US is set to shatter grid battery records this year

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U.S. energy storage market sees record growth in Q1 2025

The U.S. energy storage market added more than 2 GW, according to the new U.S. Energy Storage Monitor by Wood Mackenzie and the American Clean Power Association ...





The development of China's new energy storage industry in 2024

It is estimated that by 2025, the cumulative installed capacity of global energy storage will be about 440GW, of which the cumulative installed capacity of new energy storage ...

U.S. battery storage capacity will increase significantly ...

Developers and power plant owners plan to significantly increase utility-scale battery storage capacity in the United States over the ...



The story of US energy storage

If all of the energy storage-related requests for proposal (RfPs), site applications, and other utility proposals that were active at the end of 2024 take shape, US utilities will add ...



China's new energy storage capacity exceeds 70m KW

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 ...

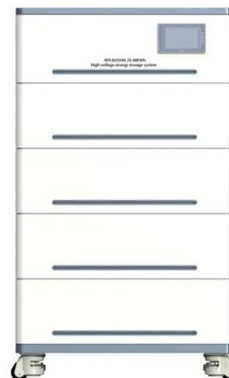


NEA: New-Type Energy Storage Installed Capacity Reached ...

Highlights of the China New-Type Energy Storage Development Report (2025) In the first half of 2025, investment in key hydrogen energy projects more than doubled. Several ...

US energy storage set a new record in Q1 2025 but ...

In the near term, the report expects 15 GW/49 GWh of new storage capacity to be installed across all segments in 2025, with utility-scale ...



U.S. energy storage installations grow 33% year-over-year

Image: Wood Mackenzie / ACP Grid-scale storage deployments alone are expected to reach 13.3 GW in 2025. Across all segments, Wood Mackenzie expects 15 GW of ...

Worldwide battery storage installations up 54% in first ...

Deployed global capacity for the first half of 2025 culminates to 86.7 GWh of battery energy storage system (BESS) capacity, representing a ...

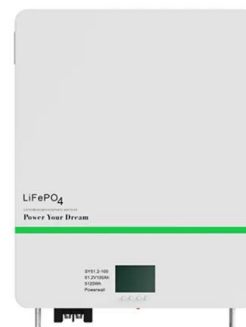


Solar & Battery Storage to Lead New U.S. Generating Capacity ...

Support CleanTechnica's work through a Substack subscription or on Stripe. We expect 63 gigawatts (GW) of new utility-scale electric-generating capacity to be added to the ...

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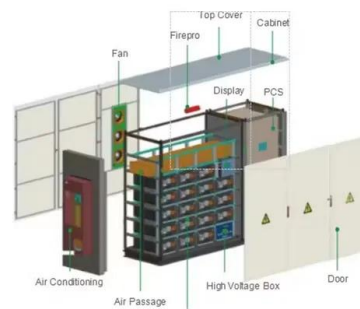
Economic Watch: China's new energy storage capacity exceeds ...

BEIJING, Jan. 24 (Xinhua) -- 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 ...



Solar, batteries, wind to make up 93% of 2025 US ...

The US Energy Information Administration (EIA) projects 32.5 GW of solar, 18.2 GW of energy storage, and 7.7 GW of wind will be deployed ...



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