



2025 energy storage installed capacity forecast

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.

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

The global energy storage sector is on trackfor 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).

How many GW of energy storage installations are there in 2024?

HOUSTON/WASHINGTON,D.C.,March 19,2025 -- The U.S. energy storage market set a new record in 2024 with 12.3 gigawatts(GW) of installations across all segments,according to the latest U.S. Energy Storage Monitor report released today by the American Clean Power Association (ACP) and Wood Mackenzie.

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 battery storage set a record in 2025?

Battery storage. In 2025,capacity growth from battery storage could set a recordas 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 much solar capacity will be added in 2025?

We expect this trend will continue in 2025,with 32.5 GWof new utility-scale solar capacity to be added. Texas (11.6 GW) and California (2.9 GW) will account for almost half of the new utility-scale solar capacity addition in 2025.

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 ...

Texas and California continued to lead the grid-scale storage market and represented 61% of total installed



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capacity in the fourth quarter. The remaining 39% was installed in 13 states, said the report. ...

In addition to the capacity series for renewable energy technologies that we have published since 2017, we have added our forecasts for generating capacity for natural gas, coal, petroleum, nuclear, ...

In 2025, the global energy storage market is projected to maintain its growth trajectory, with new installed capacity reaching 221.9 GWh, up 26.5% YoY, as InfoLink forecasts.

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, ...

IRENA also released an Innovation Outlook on Thermal Energy Storage, further supporting advancements in this critical area. A strong outlook for 2025 In summary, the energy storage market in 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, the sector continues to ...

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

Grid-scale storage installations are forecasted to reach 13.3 GW in 2025. "After another year of record deployment, energy storage is solidifying its place as a leading solution for strengthening American ...

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 ...

This EPRI Battery Energy Storage Roadmap charts a path for advancing deployment of safe, reliable, affordable, and clean battery energy storage systems (BESS) that ...

The Energy Regulatory Office said in a report last year on electricity storage in Poland that, as a result of the main power market auctions for 2021-2028 and the ...

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, storage demand growth ...

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 ...

The remarkable growth in U.S. battery storage capacity is outpacing even the early growth of the country's utility-scale solar capacity. U.S. solar capacity began expanding in 2010 and grew from less than 1.0 ...



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o Market sees an 84% increase compared to Q1 2023 o 2024-2028 forecast for new cumulative grid-scale additions grows to 62 GW HOUSTON/WASHINGTON, June 18, ...

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)

China's National Energy Administration (NEA) has released the China New Energy Storage Development Report 2025, marking the first official and comprehensive government report dedicated to the country's ...

The Wood Mackenzie/American Clean Power U.S. Energy Storage Monitor forecasts 15.2 GW/48.7 GWh of capacity will be added in 2025 across all sectors.

In the near term, the report projects that 15 GW/49 GWh of energy storage capacity will be installed across all segments in 2025. The utility-scale segment is expected to grow 22% YoY in 2025.

Energy storage was the second most deployed resource in Q1 2025, demonstrating critical reliability value The report also includes key quarterly trends and ...

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 installations projected to grow 22% year-over-year.

A new report indicates that the nation's energy storage market added 12.3 GW of installed battery capacity in 2024. The latest U.S. Energy Storage Monitor report was released ...

China is targeting installed battery energy storage capacity of 30GW by 2025 and grew its battery production for storage 146% last year.

Solar is expected to continue out-pacing the other resource types in terms of installed capacity growth, followed by Energy Storage Resources (battery energy storage).

In BloombergNEF's 2H 2023 Energy Storage Market Outlook report, the firm forecasts that global cumulative capacity will reach 1,877GWh capacity to 650GW output by the end of 2030, while DNV's ...

The global energy storage market had installed 175.4 GWh of capacity by 2024, with Tesla leading shipments. Europe accounted for 19.1 GWh of installed capacity last year, with Italy leading, ahead of the United ...

The global energy storage market is expected to reach ****288 GWh**** by 2025, with a ****compound annual growth rate (CAGR) of 53%**** from 2021 to 2025. The United States, ...



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The U.S. is set to plug over 18 gigawatts of new utility-scale energy storage capacity into the grid in 2025, up from 2024 's record-setting total of almost 11 GW, per Energy Information Administration data ...

Let's cut to the chase - if energy storage were a rock band, 2025 would be its world tour year. With China's new energy storage capacity projected to hit 131.3GW and global installations ...

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