

Energy storage battery installations by 2025





Overview

Deployed global capacity for the first half of 2025 culminates to 86.7 GWh of battery energy storage system (BESS) capacity, representing a year-on-year increase of 54%. The firm's pipeline data indicates that the full year 2025 is currently tracking at just over 412 GWh of planned deployments. 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.

Will solar power and battery storage lead new generating capacity additions in 2025?

Solar power and battery storage are expected to lead new U.S. generating capacity additions in 2025, according to the Energy Information Organization (EIA). The EIA expects 63 gigawatts (GW) of new utility-scale electric-generating capacity to be added to the U.S. grid in 2025.

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.

What is the future of battery energy storage?

Demand for energy storage continues to escalate, the global battery energy storage (BESS) landscape is poised for significant installation growth and technological advancements.

How many GW of solar & battery storage will be added in 2024?



Together, solar and battery storage account for 81% of the expected total capacity additions, with solar making up over 50% of the increase. Solar. In 2024, generators added a record 30 GW of utility-scale solar to the U.S. grid, accounting for 61% of capacity additions last year.

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).



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[Battery storage boomed last year, and there's more to ...](#)

Better yet, recent projections from the EIA forecast 18.2 GW of new utility-scale battery storage in 2025. Even without residential or commercial ...

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Solar, battery storage to lead new U.S. generating capacity ...

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[U.S. energy storage installations grow 33% year-over-year](#)

Storage deployment grew across all segments and is forecast to grow another 25% in 2025, according to Wood Mackenzie. Across all segments, including residential, ...

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Worldwide battery storage installations up 54% in first half of 2025

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US marks record year for energy storage installations - Batteries

March 27, 2025: US installations of energy storage systems set a new market record in 2024 of more than 12GW, new analysis published on March 19 revealed.

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[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 ...

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REPORT: Energy Storage Market Continues Strong Growth in Q1 2025

HOUSTON/WASHINGTON, D.C. June 25, 2025 -- According to the new U.S. Energy Storage Monitor developed by Wood Mackenzie and the American Clean Power ...

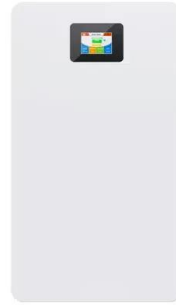
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[Global Energy Storage to Hit 94 GW in 2025, Says BNEF](#)

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Grid battery installations may plunge 29% due to Congress, Trump -- report By Christa Marshall , 06/26/2025 06:52 AM EDT The energy storage industry saw record growth ...

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U.S. Solar and Battery Storage Boom in 2025 , Shale Magazine

Solar power and battery storage are expected to lead new U.S. generating capacity additions in 2025, according to the Energy Information Organization (EIA). The EIA ...

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[Global Energy Storage Market to Grow 15-Fold by 2030](#)

However, companies are already scaling up operations to capture the upside." Rapidly evolving battery technology is driving the energy storage market. Lithium-ion batteries ...

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[Solar and Battery Storage Expected to Lead New Electricity](#)

The U.S. Energy Information Administration has released predictions for 2025 in its latest Preliminary Monthly Electric Generator Inventory report. The organization announced ...

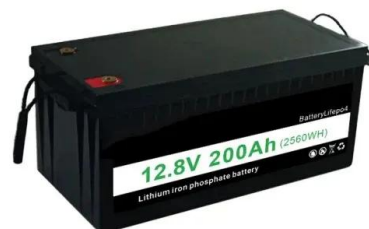
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[Key Trends Shaping Battery Energy Storage in 2025](#)

In 2025, improvements in energy density and streamlined AC configurations will help offset potential cost increases from protectionist policies. The 5 MWh container equipped ...

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