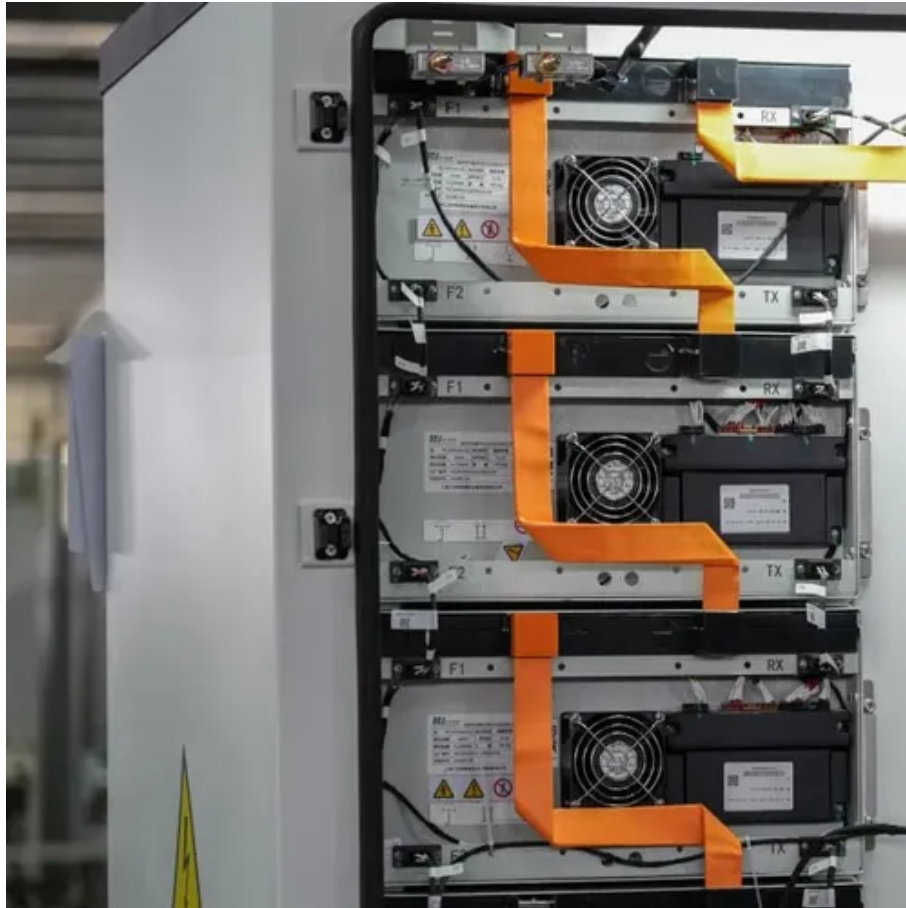




Cumulative installed capacity of energy storage projects





Overview

BloombergNEF expects cumulative energy storage capacity in 2035 to reach 2 terawatts (7.3 terawatt-hours) – eight times the level in 2025. Utility-scale projects continue to dominate applications. See 2H 2025 Energy Storage Market Outlook for more details.

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GW = gigawatts; PV = photovoltaics; STEPS = Stated Policies Scenario; NZE = Net Zero Emissions by 2050 Scenario. Other storage includes compressed air energy storage, flywheel and thermal storage. Hydrogen electrolyzers are not included. Global installed energy storage capacity by scenario, 2023.

Global energy storage additions are on track to set another record in 2025 with the two largest markets – China and US – overcoming adverse policy shifts and tariff turmoil. Annual deployments are also set to scale in Germany, the UK, Australia, Canada, Saudi Arabia and Sub-Saharan Africa, driven.

They have increased by more than 225% year-on-year. Figure 1: Cumulative installed capacity (MW%) of electric energy storage projects forecast from research company BloombergNEF (BNEF). That is 15 times the 27GW/56GWh deployed for sub-hourly, hourly and daily balancing. Total installed grid-scale battery.

Each quarter, new industry data is compiled into this report to provide the most comprehensive, timely analysis of energy storage in the US. All forecasts are from Wood Mackenzie Power & Renewables; ACP does not predict future pricing, costs or deployments. Media inquiries should be directed to.

According to CNESA DataLink's Global Energy Storage Database, as of the end of September 2024, the cumulative installed capacity of operational energy storage projects in China reached 111.49 GW. This includes pumped hydro storage, molten salt thermal storage, and other non-hydro storage.

We expect 63 gigawatts (GW) of new utility-scale electric-generating capacity to be



added to the U.S. power grid in 2025 in our latest Preliminary Monthly Electric Generator Inventory report. This amount represents an almost 30% increase from 2024 when 48.6 GW of capacity was installed, the largest.



Cumulative installed capacity of energy storage projects

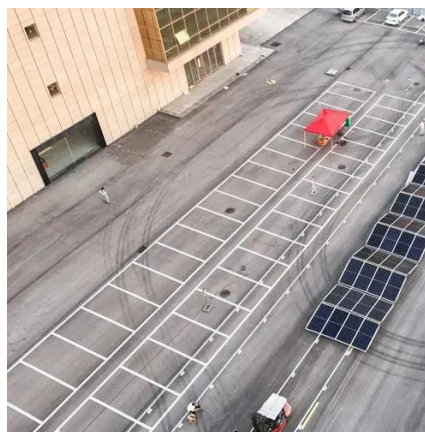


[Total cumulative energy storage capacity by 2025](#)

New York, October 12, 2022 - Energy storage installations around the world are projected to reach a cumulative 411 gigawatts (or 1,194 gigawatt-hours) by the end of 2030, ...

[Global Energy Storage Boom: Three Things to Know](#)

Energy storage installations globally will keep gaining momentum over the next decade as other markets pick up pace. BloombergNEF expects cumulative energy storage ...



US Energy Storage Monitor

A record-breaking 346 MW of residential storage was installed in Q3 2024, a 63% increase over the previous quarter. California, Arizona, and North Carolina led growth, installing 56%, 73% ...



U.S. Energy Storage Monitor , ACP

The U.S. energy storage market delivered a record-breaking quarter in Q3 2025, installing 5.3 GW nationwide and pushing year-to-date additions past the total installed ...



[CNESA Global Energy Storage Market Tracking](#)

According to CNESA DataLink's Global Energy Storage Database, as of the end of September 2024, the cumulative installed capacity of operational energy storage projects in ...

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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 ...



[Global installed energy storage capacity by ...](#)

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

[US BESS installations 'surged' in 2023 with](#)



The operating capacity of battery storage in the US grew by 7.9GW last year, bringing the country's total cumulative installed base to 17GW by the end of 2023.



33 energy storage projects to be put into operation in the United

The cumulative installed capacity of energy storage in the United States exceeded 20GW and reached 21.6GW. Among them, 18 energy storage projects are supporting the ...

Global installed energy storage capacity by scenario, 2023 and 2030

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



U.S. Grid Energy Storage Factsheet

The U.S. has 431 operational battery energy storage projects, 8 using lead-acid, lithium-ion, nickel-based, sodium-based, and flow batteries. 10 These projects totaled 27 GW of rated ...



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