

SolarTech Power Solutions

New battery energy storage capacity



Overview

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According to a recent report from the U.S. Energy Information Administration (EIA), utility-scale battery storage capacity is quickly growing, with capacity reaching 20.7 gigawatts by July 2024 and 21.4 gigawatts as of August 2024. In 2010, the U.S. had just 4 megawatts of battery storage capacity.

In 2024, developers built energy storage at a rapid clip, adding nearly 11 GW to the grid. The industry is poised to grow even faster in 2025. See more from Canary Media's "Chart of the week" column. Last year was fantastic for battery storage. This year is poised to be even better. The U.S. is. How many GW of battery energy storage system commissioned last year?

The report also notes that the US commissioned 11.9GW of battery energy storage system (BESS) capacity last year, a 55% increase from the previous year, the fifth consecutive year of record-breaking additions. That is across all segments including grid-scale, commercial & industrial (C&I) and residential.

Will 2025 be a good year for battery storage?

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 energy storage capacity into the grid in 2025, up from 2024 's record-setting total of almost 11 GW, per Energy Information Administration data analyzed by Cleanview.

Why is battery energy storage important in 2022?

As the world transitions to greener sources of power generation such as solar

PV and wind, battery energy storage developments will be critical in meeting future energy demand. Global BESS capacity additions expanded 60% in 2022 over the previous year, with total new installations exceeding 43 GWh.

How much battery storage capacity does a generator have 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 Generator Inventory. Generators added 10.4 GW of new battery storage capacity in 2024, the second-largest generating capacity addition after solar.

How much battery storage will be added to the grid in 2025?

The EIA forecasts a record 18.2GW of utility-scale battery storage added to the grid this year. This would be a nearly 8GW growth from the 10.3GW installations achieved in 2024, according to the EIA. Moreover, the combined forecast for solar PV and battery storage puts both technologies contributing to 50.7GW of the total 63GW in 2025.

How much battery storage capacity does an electric generator have?

Data source: U.S. Energy Information Administration, Preliminary Monthly Electric Generator Inventory, January 2025 In the United States, cumulative utility-scale battery storage capacity exceeded 26 gigawatts (GW) in 2024, according to our January 2025 Preliminary Monthly Electric Generator Inventory.

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