Cumulative United States Utility-Scale Battery Power Capacity: U.S. Energy Information Administration Report Addresses 2011-2025 Timeframe

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The United States Energy Information Administration ("EIA") issued a March 12th report titled:

Cumulative U.S. utility-scale battery power capacity (2011-2025) ("Report").

The Report provides statistics for United States utility-scale battery power capacity.

Pairing or co-locating batteries with renewable energy generators is increasingly common. Different types of batteries are utilized with unique design and charging/discharging specifications. The majority of such systems use lithium-ion batteries. Other types are used with utility-scale storage systems such as:

- Flow batteries.
- Lead-acid batteries.
- Nickel-cadmium batteries.

The EIA Report states that cumulative utility-scale battery storage capacity exceeded 26 gigawatts (GW) in 2024. The stat is derived from EIA's January 2025 Preliminary Monthly Electric Generator Inventory. This included the addition by generators of 10.4 GW of new battery storage capacity in 2024. However, battery storage capacity is stated to still only constitute 2% of the 1,230 GW of utility-scale electricity generating capacity in the United States.

A copy of the Report can be downloaded here.