Global lithium battery energy storage installed capacity

Find the latest statistics and facts on energy storage.

Battery energy storage systems (BESS) go beyond 100 GW in a year The 2025 report notes that BESS deployments increased by 104 GW / 257 GWh, for a global capacity of 267 GW / ...

This graphic highlights the top 20 battery storage capacity markets by current and planned grid capacity in gigawatt hour (GWh).

Strong growth occurred for utility-scale battery projects, behind-the-meter batteries, mini-grids and solar home systems for electricity access, adding a total of 42 GW of battery storage capacity globally.

China more than tripled its investments in battery storage in 2023. Lithium-based technologies continued to dominate the battery market. Australia announced plans for the world"s largest pumped storage ...

China accounts for approximately two thirds of the installed capacity of grid scale BESS worldwide. It is followed by the US which accounts for roughly 25% of the total installed market. ...

Key opportunities in the global battery energy storage market include growth driven by advanced technologies like lithium-ion, regional demand in Asia-Pacific and Americas, and national ...

3 If China reaches its goal, the country would have almost as much battery storage installed by the end of 2027 as the entire world did through September 2025, when total operational battery ...

Global battery energy storage systems, or BESS, rose 40 GW in 2023, nearly doubling the total increase in capacity observed in the previous year, according to a special report published ...

Globally, annual energy storage deployment (excluding pumped hydropower plants) is set to hit another

all-time high at 92 gigawatts (247 gigawatt-hours) in 2025 - 23% higher than in 2024. ...

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