

# Solar energy storage installed capacity



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### [Solar, battery storage to lead new U.S. generating capacity additions](#)

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

### Installed solar energy capacity

Cumulative installed solar capacity, measured in gigawatts (GW).



### US Energy Storage Monitor , Wood Mackenzie

We compile this information into this report, which is intended to provide the most comprehensive, timely analysis of energy storage in the US. The US Energy Storage Monitor is offered quarterly in two

### Global installed energy storage capacity by scenario,

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



### U.S. Adds 58 GWh of New Energy Storage Capacity in 2025



## U.S. total solar capacity to double over three-year span

The Energy Information Administration said cumulative solar installations are expected to double from 91 GW to 182 GW from the end of 2023 to the end of 2026. Meanwhile, battery energy

Despite actions in Washington targeting clean energy, over 600 GWh of energy storage is expected to be installed by 2030. This rapid deployment will help lower energy costs, enhance



## [SEIA: US installed 57.6 GWh of new energy storage capacity in 2025](#)

The U.S. energy storage industry installed 57.6 GWh of new capacity in 2025, the largest single year of new battery capacity additions on record. Energy storage installations grew 30% from

## Battery Storage Fact Sheet October 2025

The state's installed BESS capacity is on track to grow over three-fold, from 15.7 gigawatts (GW) in 2025 to a projected 52 GW by 2045, reflecting the technology's rapid deployment and increasing role in



## Renewable Capacity Highlights 2025

Renewable hydropower capacity increased by 15.0 GW (+1.2%), bioenergy by 4.6 GW (+3.2%), and geothermal energy by 0.4 GW (+2.5%). Solar and wind energy continued to dominate renewable

[EIA: 99%+ of new US capacity in 2026 will be solar, wind + storage](#)

Solar, wind, and batteries are set to supply virtually all net new US generating capacity in 2026, according to the latest EIA data.



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