US Wind Solar and Storage

How much solar power does the United States have?
Installed solar capacity in the U.S. now totals about 220 GW, enough to provide over 7% of the nation's electricity. This continues a decade-long trend of rapid growth in solar power. Battery storage nearly doubled in 2024, with total installed capacity reaching almost 29 GW -- and projected to grow another 47% in 2025.

How many GW of solar & battery storage will be added in 2024?
Together, solar and battery storage account for 81% of the expected total capacity additions, with solar making up over 50% of the increase. Solar. In 2024, generators added a record 30 GW of utility-scale solar to the U.S. grid, accounting for 61% of capacity additions last year.

What is the difference between solar and wind energy?
Solar and battery storage continue to set installation records, while wind energy has plateaued. Solar surpassed 2023's record installations in 2024, adding an estimated 39.6 gigawatts (GW) of capacity, compared to 27.4GW in 2023. Installed solar capacity in the U.S. now totals about 220 GW, enough to provide over 7% of the nation's electricity.

What's going on with solar & energy storage in 2025?
Solar and energy storage remain the leading focus areas. In the first nine months of 2025, US$6 billion across 58 renewable deals were announced--a 41% fall in value and a 45% drop in volume from the prior year. 41 Yet platform acquisitions surged 4.6x in value, 42 as financial buyers pivoted to company-level purchases to secure scale and talent.

Wind and solar investments in the first half of 2025 fell 18%, to nearly US$35 billion (prior to the enactment of this act), compared to the same period in 2024. 1 Still, renewables dominated US ...

Solar has become the largest renewable source of installed power capacity in the United States, surpassing wind after 27 consecutive months as the leading source of new grid additions, ...

Almost 1 terawatt of new solar and wind capacity will connect to the US power grid between 2024 and 2035, BloombergNEF forecasts.

Solar, wind, and batteries are set to supply virtually all net new US generating capacity in 2026, according to

the latest EIA data.

Solar, wind and battery storage are forecasted to provide 99% of new electricity generating capacity in 2026 according to new data released by the Energy Information Administration.

Solar, wind and battery storage are on track to account for almost all net new U.S. power generation capacity in 2026, according to an analysis by advocacy group SUN DAY Campaign ...

The U.S. added 48.2 GW of utility-scale solar, wind, and battery storage capacity in 2024.

Battery storage nearly doubled in 2024, with total installed capacity reaching almost 29 GW -- and projected to grow another 47% in 2025. This growth in capacity will help support the grid ...

Battery storage. 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 ...

US solar, wind and storage installations broke records last year as developers rushed to capture subsidies before they expire, but the future trajectory looks uncertain.

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