



Latest Solar Power Generation in the United States

Is solar power the future of electricity generation?

Solar continues to dominate new electricity generation capacity added to the grid in the United States, according to the Energy Information Administration's (EIA) latest release of its Electric Power Monthly report with data through March 2025.

How many GW of solar generating capacity are there in 2025?

Developers added 12 gigawatts (GW) of new utility-scale solar electric generating capacity in the United States during the first half of 2025, and they plan to add another 21 GW in the second half of the year, according to our latest survey of electric generating capacity changes.

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.

Is solar power the fastest growing source of new electric generating capacity?

"Solar power is the fastest-growing source of new electric generating capacity in the United States, driven by large-scale solar photovoltaic (PV) projects built by electric utilities and independent power producers," the agency reminds everyone.

The United States is set to achieve its largest annual increase in electricity generation capacity in more than two decades. According to the US Energy Information Administration (EIA), ...

We expect the combined share of generation from solar power and wind power to rise from about 18% in 2025 to about 21% in 2027. In our STEO forecast, utility-scale solar is the fastest ...

The United States added more than 15 GW of new electricity generation resources between January and May this year, led by 11.5 GW of solar, followed by 2.3 GW of wind and 1.3 ...

According to FERC's latest report, solar power has firmly established itself as a leader in new electricity generation across the United States. The addition of nearly 9.5 GW of solar capacity ...

The United States' shift towards clean electricity continued in 2024, as wind and solar together rose to 17% of total electricity generation, surpassing coal, which dropped to an all-time low ...

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After several record-breaking years, the U.S. clean energy sector faces a critical moment. Solar deployment and electric vehicle (EV) sales broke records in 2023 and 2024. ...



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Solar panels in the Illinois prairies In the first nine months of 2025, more than three-quarters of the electrical generating capacity added in the United States was solar power, according ...

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