



New solar power generation system in the United States

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.

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 much solar power does the US have in 2025?

Solar accounted for 58% of all new electricity-generating capacity added to the US grid through the third quarter of 2025, with more than 30 GW installed. Solar and storage, combined, accounted for 85% of new capacity in this timeframe. The US added 4.7 GW of solar module manufacturing capacity in Q3, bringing the total to 60.1 GW.

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.

A full list of new utility-scale project additions added in March can be found [here](#). Electricity generation from solar continues to grow alongside capacity additions.

Texas emerges as the new solar powerhouse. Texas, traditionally associated with oil and gas, is now becoming the epicentre of US solar growth. By mid-2025, the state had already brought ...

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Explore the top US utility-scale solar projects of 2024-2025. Learn how gigawatt-scale farms and integrated battery storage are powering America's energy future.

In 2024, over 30,000 MW of solar capacity came online, which is a 30% increase in operating solar capacity. An additional 34,000 MW are under preparation, testing, or construction ...

While solar deployment and electric vehicle sales broke records in 2023 and 2024 in the U.S., significant obstacles to building a clean energy system remain.

U.S. power plant developers and operators plan to add 86 gigawatts (GW) of new utility-scale electric



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generating capacity to the U.S. power grid in 2026 in our latest Preliminary Monthly ...

"America's solar manufacturers can now produce enough modules to meet all demand in the U.S.," said Sean Gallagher, the senior vice president of policy at the Solar Energy Industry...

As new development opportunities for traditional community solar continue to decline, community solar developers report increased interest in exploring community-scale solar and storage ...

The Energy Information Administration (EIA) reported that, in 2024, the United States added a record 30 gigawatts (GW) of utility-scale solar to the grid, accounting for 61% of new ...

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