



# 2025 Power Generation Solar Energy

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The US is experiencing its most transformative year for electricity generation in over 20 years, driven by a surge in solar energy and backed by large-scale battery storage.

Renewables accounted for 88% of all new generating capacity to the end of November, while natural gas added just 11.8%, reports FERC.

Solar power generation, 2025 Electricity generation from solar, measured in terawatt-hours.

- Together, utility -scale solar and wind generation accounted for more power than coal generation. - Solar overtook hydropower to be the second -largest source of renewable energy ...

For solar PV, wind and bioenergy for power, deployment has been revised downwards. Solar PV accounts for over 70% of the absolute reduction, mainly from utility-scale projects, while offshore ...

In 2024, it took until September for global solar capacity additions to surpass 350 GW, while in 2025, the milestone was reached in June. The rapid expansion of solar capacity in recent years has made it ...

In our STEO forecast, utility-scale solar is the fastest-growing source of electricity generation in the United States, increasing from 290 BkWh in 2025 to 424 BkWh by 2027.

Solar electricity is poised to dominate America's energy expansion in 2025, with developers planning to add 33 gigawatts (GW) of solar photovoltaic capacity - representing more ...

Solar accounted for 56% of all new electricity-generating capacity added to the US grid in the first half of 2025, with a total of 18 GW installed. Combined, solar and storage accounted for 82% ...

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 ...

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