



US Solar Power Generation Planning

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 will come online in 2026?

Almost 70 gigawatts(GW) of new solar generating capacity projects are scheduled to come online in 2026 and 2027, which represents a 49% increase in U.S. solar operating capacity compared with the end of 2025. Much of the utility-scale solar generation capacity additions will come online in Texas.

How many GW of solar will be added in 2024?

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 capacity additions to the U.S. electric grid last year. EIA expected a similar amount of new utility-scale solar capacity to be added in 2025 and 2026.

Will solar power and wind power grow in 2027?

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-growing source of electricity generation in the United States, increasing from 290 BkWh in 2025 to 424 BkWh by 2027.

Solar power really is the fastest, most economical way to address the "energy emergency" declared by US President Donald Trump.

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

We expect 63 gigawatts (GW) of new utility-scale electric-generating capacity to be added to the U.S. power grid in 2025 in our latest Preliminary Monthly Electric Generator Inventory ...

The International Energy Agency projects US renewable capacity will increase 65% from 2021 to 2026, adding more than 200 GW of emissions-free generation. Solar and wind are forecast ...

The US clean electricity transition continued as wind and solar generated more than coal for the first time. Electricity demand growth sped up and solar generation rose more quickly than gas ...

Energy generation from renewables continued its steady upward trend, as a result of increases in solar generation (and despite a drop in wind and hydro generation).



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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), ...

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