

# Solar power generation in the United States

Although relatively small in terms of its share of total U.S. electricity-generation capacity and generation, solar electricity-generation capacity and generation have grown significantly in ...

In 2024, net solar power generation in the United States reached its highest point yet at 218.5 terawatt hours of solar thermal and photovoltaic (PV) power. Solar power generation...

Solar power includes solar farms as well as local distributed generation, mostly on rooftops and increasingly from community solar arrays. In 2024, utility-scale solar power generated 219.8 terawatt ...

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 ...

This report summarizes the latest statistics on solar power capacity by state and highlights the top U.S. states in solar power generation.

According to the US Energy Information Administration (EIA), developers plan to add 64 gigawatts (GW) of new utility-scale capacity in 2025, surpassing the previous record of 58 GW set in ...

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 ...

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.

Top 10 states for electricity generated from solar (utility-scale and small-scale) and wind in 2024. Find data for all 50 states and Washington, D.C. in the full dataset.

In 2024, a new solar project was installed every 54 seconds, totaling 5,561,319 solar energy systems in the U.S. 12 Solar has added the most generating capacity to the grid for the last five years.

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