



# State Grid Solar Power Generation

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A new report tracks how renewable energy is transforming the nation's electricity mix, state by state.

Solar continues to be the main fuel type for new additions, with over 30,000 MW of solar energy added in 2024, nearly double the amount added in 2023. This report also analyzes prospective generation ...

In the past 10 to 15 years, solar energy capacity in the U.S. has rapidly grown, making solar a significant part of the power grid. Solar power electricity generation continues to grow ...

California leads as the top solar state. With over 54 GW of solar installed, enough energy to power over 15 million homes. Texas has the fastest growing solar economy with the largest utility-scale solar and ...

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 Resource Maps and Data Find and download resource map images and data for North America, the contiguous United States, Canada, Mexico, and Central America. Solar Supply ...

In 2024, generators added a record 30 GW of utility-scale solar to the U.S. grid, accounting for 61% of capacity additions last year. We expect this trend will continue in 2025, with 32.5 GW of new utility ...

This is a list of U.S. states by total electricity generation, percent of generation that is renewable, total renewable generation, percent of total domestic renewable generation, and carbon intensity in 2024. The largest renewable electricity source was wind, which has exceeded hydro since 2019.

Discover the best states for solar power production in the country with our February Solar Energy Generation Report. Where does your state rank?

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

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