

# How is the solar photovoltaic power generation industry doing

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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. Almost 70 ...

Solar accounted for 81% of all new renewable energy capacity added worldwide. While remaining a modest contributor to overall electricity generation for now, solar's share rose to 7% in ...

Solar PV will account for around 80% of the global increase in renewable power capacity over the next five years - driven by low costs and faster permitting timeframes - followed by wind, ...

In 2024, between 554 GWdc and 602 GWdc of PV were added globally, bringing the cumulative installed capacity to 2.2 TWdc. China continued to dominate the global market, ...

The rise follows a period of industry-wide disruption caused by the One Big Beautiful Bill Act (OBBBA), with most of the gains driven by utility-scale solar projects that were largely completed...

Despite the changing market and policy conditions that the solar industry has faced this year, solar will remain the dominant power source added to the grid in the next five years.

In 2024, the growth in electricity generation from solar PV alone surpassed that of all other renewable energy (RE) technologies combined. This is despite a substantial rebound in ...

Each quarter, the National Renewable Energy Laboratory conducts the Quarterly Solar Industry Update, a presentation of technical trends within the solar industry.

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