

# How many times has solar power generation increased

The world generated 2,109.76TWh of electricity from solar in the first nine months of the year, a 31% increase over the same period in 2025.

Percentage change in solar energy generation relative to the previous year. Data source: Energy Institute - Statistical Review of World Energy (2025) - Learn more about this data. Figures ...

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 ...

From 2016 to 2022, PV has seen an annual capacity and production growth rate of around 26%, doubling approximately every three years.

Solar and wind energy will lead the growth in U.S. power generation for at least the next two years, according to EIA estimates. This report uses data from the EIA to analyze solar and wind...

The solar energy industry is booming in 2025. We've gathered over 90 key solar energy statistics to show you exactly what's happening in this fast-growing

The Renewables 2024 report, the IEA's flagship annual publication on the sector, finds that the world is set to add more than 5 500 gigawatts (GW) of new renewable energy capacity between ...

Global Overview of Solar Energy Growth: Solar energy has exploded globally in the past decade. From 2013 to 2023, worldwide solar capacity grew from about 138 gigawatts to a staggering ...

Global energy generation from solar photovoltaic (PV) panels, which convert sunlight into electricity, rose by 270 terawatt hours (TWh), marking a 26% rise on the previous year.

According to the International Energy Agency (IEA), the share of solar power is up from 5% to 7%. The IEA expects global PV module generation to increase by 1,800 TWh per year ...

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