

# Percentage of electricity generated by solar panels



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### [Solar generation up 27%, accounting for 6.8% of all electricity](#)

Over the past 12 months, solar photovoltaic sources accounted for more than 6.8% of all electricity generated in the U.S., up from 5.5% in 2023, a 24% year-over-year increase, according to

### [Wind, Solar Generated Record Percentage of US Electricity in 2025](#)

(EIA) Over the past 20 years, electricity from wind power and utility-scale solar power has increased to 17% of generation in the United States compared to less than 1% in 2005.



### [Renewables generated 24.2% of US electricity in 2024 - EIA data](#)

Together, solar was nearly 7% (6.91%) of total US electrical generation for the year. In December alone, electrical generation by utility-scale solar expanded by 42% compared to December

### [What Percentage Of The Us Power Comes From Solar Panels](#)

Solar energy represented approximately 5.6 percent of electricity generation in the United States in 2023, rising from 4.8 percent the previous year. California led states with 27.3 percent of





## [35 Latest Solar Power Statistics, Charts & Data](#)

4.4% of our global energy comes from solar power. China generates more solar energy than any other country, with a current capacity of 308.5 GW. The US relies on solar for 3.9% of its

### Solar PV Energy Factsheet

PV conversion efficiency measures the percentage of solar energy converted to electricity. 7 While most available solar panels achieve ~20% efficiency, 8 researchers have developed modules approaching



### Today in Energy

According to our Electric Power Annual, solar power accounted for 3% of U.S. electricity generation from all sources in 2020. In our Short-Term Energy Outlook, we forecast that solar will

## [Solar energy penetration U.S. 2024, Statista](#)

Solar energy accounted for some 6.91 percent of electricity generation in the United States in 2024, up from a 5.62 percent share a year earlier.



## [Solar Market Insight Report 2024 Year in Review](#)

Solar accounted for 66% of all new electricity-generating capacity added to the US grid in 2024, as the industry continued experiencing record growth. Domestic module manufacturing

## [Share of electricity generated by solar power](#)

This dataset contains yearly electricity generation, capacity, emissions, import and demand data for over 200 geographies. You can find more about Ember's methodology in this



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