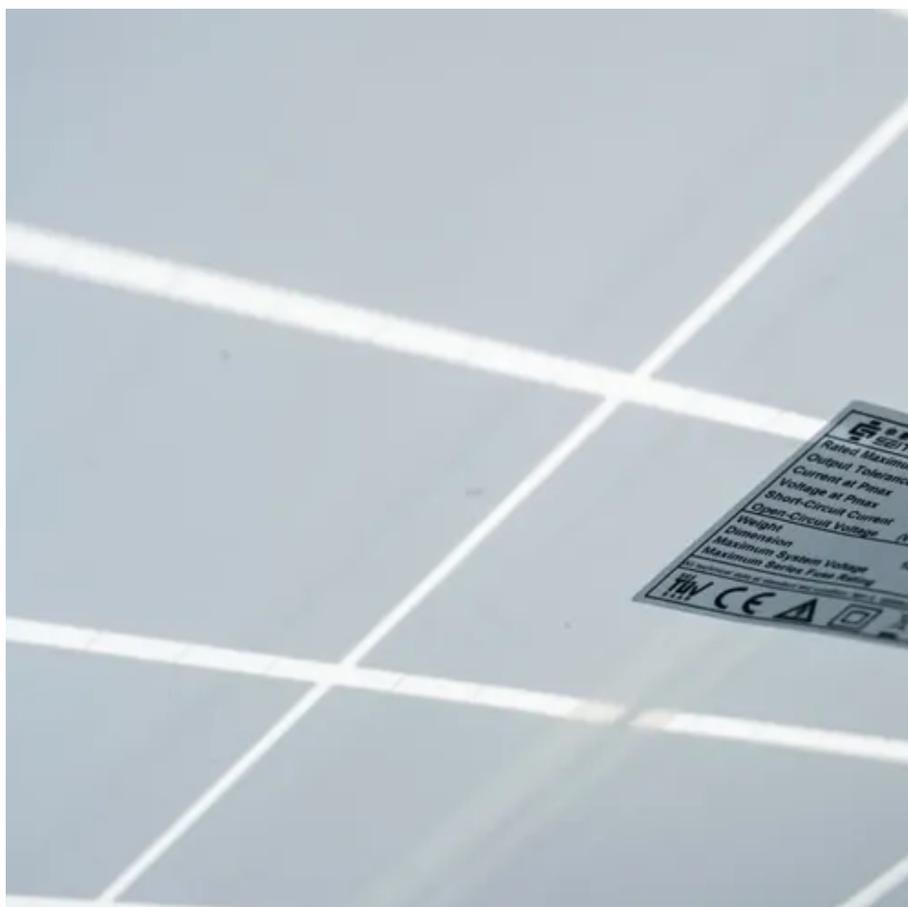




Annual statistics of solar power generation





Overview

Projections indicate an anticipated annual growth rate of 15% in the solar energy industry over the next five years. Women hold 40% of full-time positions in the global solar. Ember (2026); Energy Institute - Statistical Review of World Energy (2025) - with major processing by Our World in Data This dataset contains yearly electricity generation, capacity, emissions, imports and demand data for European countries. electric power sector totaled about 4,260 billion kilowatthours (BkWh) in 2025. In our latest Short-Term Energy Outlook (STEO), we expect U. 6% in 2027, when it reaches an annual total of 4,423 BkWh. Global solar photovoltaic capacity has grown from around 40 gigawatts in 2010 to approximately 2.



Annual statistics of solar power generation



U.S. solar power generation 2024, Statista

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 has

Solar PV

Find up-to-date statistics and facts on the global solar photovoltaic industry.



[35 Latest Solar Power Statistics, Charts & Data \[2026\]](#)

In this article, with the help of charts and key statistical data, we reveal the latest solar power statistics that demonstrate how the industry has grown so far, and the outlook and potential for the future.

Spring 2025 Solar Industry Update

o In 2024, between 554 GW. dc. and 602 GW. dc. of PV were added globally, bringing the cumulative installed capacity to 2.2 TW. dc. o China continued to dominate the global market, representing ...



Solar power generation drives electricity generation growth over the

Electricity generation by the U.S. electric power sector totaled about 4,260 billion kilowatthours (BkWh) in 2025. In our latest Short-Term Energy Outlook (STEO), we expect U.S. electricity generation will ...



35 Latest Solar Power Statistics, Charts & Data [2026]

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) ...



Solar Energy Facts & Statistics 2026 . ConsumerAffairs®

Solar generation rose 23% in 2021, and the industry is expected to continue to grow over the next decade. Women hold 40% of full-time positions in the global solar workforce. Nearly 75% of



Solar and wind lead growth of U.S.



power generation for the next two

Renewable sources--wind, solar, hydro, biomass, and geothermal--accounted for 22% of generation, or 874 billion kWh, last year. Annual renewable power generation surpassed nuclear generation ...

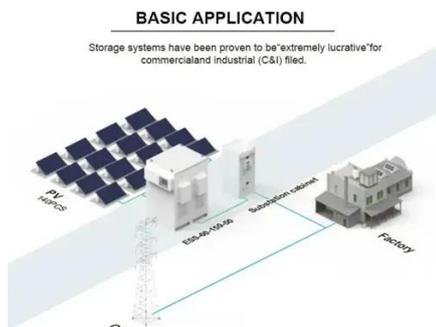


90+ Solar Energy Statistics: The Green Gold Rush (2025)

These statistics illustrate how different countries and regions are progressing in their transition to solar power, highlighting the leaders and emerging players in the field.

Renewable energy statistics 2025

Data was obtained from various sources, including an IRENA questionnaire, official national statistics, industry association reports, consultant reports and news articles.



Solar power generation, 2025

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 document.



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