

# Statistics of solar power generation over the years

How much solar energy does the world use?

The world currently has a cumulative solar energy capacity of 850.2 GW(gigawatts). 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 energy,although this share is increasing rapidly every year.

How many solar energy statistics are there?

We've gathered over 90key solar energy statistics to show you exactly what's happening in this fast-growing sector. Our data comes from trusted sources. These include IEA,SEIA,Forbes,and official government reports. Each statistic has been verified for accuracy. The statistics cover many aspects of solar energy.

How many people are employed in solar energy?

3,975,096people are employed in the solar industry worldwide,and 263,883 of these are in the United States. The solar energy industry created more new jobs in the US than any other energy subsector last year. It would take around 18.5 billion solar panels to produce enough energy to power the entire US. What is the capacity of solar energy?

How many homes are using solar energy?

Over 7.3 million homesin the U.S. are using solar power. The U.S. has enough renewable energy resources to produce 100 times its yearly electricity needs. Every day,the Earth gets about 174 petawatts of solar energy. By 2050,solar energy is expected to provide half (50%) of the world's electricity.

Electricity generation from solar, measured in terawatt-hours.

Aenert news. Energy Market & Energy Statistics IRENA published renewable power generation capacity statistics for the 2024 and for the past decade. The world"s renewable power ...

Solar power is an energy source that has been around for quite some time. It"s only recently, however, that people have begun to truly understand the potential of this energy source and ...

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 present review study, through a detailed and systematic literature survey, summarizes the world solar energy status along with the published solar energy potential assessment articles for ...

Investments in solar photovoltaic energy have grown during the last years and the technology stands out as the most heavily funded renewable energy source.

The International Renewable Energy Agency (IRENA) produces comprehensive, reliable datasets on

# Statistics of solar power generation over the years

renewable energy capacity and use worldwide. Renewable energy statistics 2025 provides datasets ...

Solar Energy Statistics stated that over the past 10 years, the price of solar panels has dropped by more than 60%. The cost of solar battery storage has decreased by 72% since 2015.

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 ...

Renewable Energy Progress Tracker Explore electricity, heat and renewable fuels data from Renewables 2025 and renewables ambitions by 2030

Web: <https://idsolar.co.za>