



How many watts of solar power are generated globally

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While the contribution of solar energy to global electricity production remains generally low at 3.6%, it has firmly established itself among other renewable energy technologies, comprising ...

Data and analysis including a list of solar power in every country in ...

As of 2023, solar energy was the world's third-largest renewable energy technology, behind wind and hydropower -- nearly 5.5% of global ...

In 2030, renewable energy sources are used for 46% of global electricity generation, with wind and solar PV together making up 30%. By 2030, however, ...

Key Facts
Global Solar Energy Statistics
Solar Power Statistics by Country
Solar Energy vs Fossil Fuels
US Solar Panel Statistics
Solar Energy Industry & Job Statistics
Outlook: The Future of Solar Power
The Final Word
Data Sources
The world currently has a cumulative solar energy capacity of 850.2 GW (gigawatts). 4.4% of our global energy comes from solar power and 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. See more on the roundup Published: Feb 11, 2022
IRENA - International Renewable Energy Agency
Renewable energy statistics 2025 - irena
Data on renewable power capacity represents the maximum net generating capacity of power plants and other installations that use renewable energy sources to produce electricity.

The worldwide growth of photovoltaics is extremely dynamic and varies strongly by country. In April 2022, the total global solar power capacity reached 1 TW, ...

Global solar photovoltaic capacity has grown from around 40 gigawatts in 2010 to approximately 2.2 terawatts in 2024. Only in that last year, ...



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Calculate energy production for selected sites. The Global Solar Atlas provides a summary of solar power potential and solar resources globally.

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