

Solar power generation by country



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[Renewable electricity - Renewables 2025 - Analysis](#)

Globally, renewable power capacity is projected to increase almost 4 600 GW between 2025 and 2030 - double the deployment of the previous five years (2019-2024). Growth in utility-scale and distributed ...

Solar power by country

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, increasing to 2 TW in 2024. The top ...



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[Solar Power by Country 2026](#)

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

[Solar power generation. Data by Countries from 1980 to 2023](#)

Official statistics by year of solar power generation (TWh). The values are presented in tables and charts with calculations of changes and shares, and with extensive analytical functionality.



[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 ...



[Top Solar Power Countries in 2025: Leading the Global Renewable](#)

Explore the top solar power countries in 2025, including China, the U.S., India, Japan, and Germany, plus emerging leaders like Brazil and Australia, driving the global shift to sustainable ...



[Solar Power by Country 2026](#)

Data and analysis including a list of solar power in every country in the world, countries with the most solar power, and countries that generate the highest percentage of their electricity from solar power.



[Ranked: The 15 Countries With the Most Solar Power Installed](#)

Solar energy capacity is growing rapidly, driving the global transition to renewable energy. This graphic visualizes the top 15 countries by cumulative megawatts of installed ...



[Global Photovoltaic Power Potential by Country](#)

The World Bank has published the study Global Photovoltaic Power Potential by Country, which provides an aggregated and harmonized view on solar resource and the potential for development of ...

Country Rankings

This dashboard ranks countries/areas to their renewable energy power capacity or electricity generation. The data can be further refined based on region, technology or year of interest.



[Which countries use the most solar energy? \[Top ...](#)

Our rundown of the countries around the world using the most solar energy, from Mexico to China

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