

# Which country ranks first in solar power generation

According to the International Energy Agency Snapshot 2024, China alone accounted for over 60% of new global photovoltaic capacity in 2023, with the top 10 countries collectively representing a ...

Germany used 4.6% of global solar energy in 2022, making it the fifth biggest national consumer overall. The nation is also the European leader for solar capacity, with over 66.6GW ...

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 ...

OverviewEuropeGlobal use figuresAfricaAsiaNorth AmericaOceaniaSouth AmericaEuropean deployment of photovoltaics has increased considerably since the year 2010. Cumulative solar PV capacity in the European Union reached over 300 GW in 2024, with industry projections anticipating total capacity more than doubling by 2030, which would take solar power's share in EU electricity generation (9.2% in 2023) over 20%. Outside of the EU, similar growth in solar power is taking place in the United Kingdo...

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.

Notably, China is currently leading the way in solar photovoltaic (PV) generation, with its total installed capacity surpassing 1,100 gigawatts (GW) as of June 2025. This progress reflects a ...

Australia currently ranks 12th place for the share of wind and solar in our main grid, despite being the sunniest and one of the windiest countries in the world.

Top 10 countries with the most solar power installed 2024-25 list: China tops the global list, followed by the US, and India.

The top five countries are China, United States, India, Japan, and Germany, based on solar power generation and installed capacity. Emerging leaders include Brazil, Australia, and Spain, ...

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 ...

China - 887,930 MW (Growth: 45.6%) China remains the mega global leader in solar power installation. With nearly 888 gigawatts of installed capacity, it has outpaced the rest of the world by a...

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