

# Germany's solar power generation ranking

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

Concentrated solar power (CSP), a solar power technology that does not use photovoltaics, has virtually no significance for Germany, as this technology demands much higher solar insolation.

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.

OverviewHistoryGovernmental policiesStatisticsCompaniesSee alsoExternal linksSolar power accounted for an estimated 15% of electricity production in Germany in 2024, up from 1.9% in 2010 and less than 0.1% in 2000. Germany has been among the world's top PV installer for several years, with total installed capacity over 100 gigawatts (GW) in 2025, up from 81.8 GW at the end of 2023. Germany's 974 watts of solar PV per capita (2023) is the third highest in the w...

Despite being one of the countries with the least amount of sunshine, Germany is one of the world's largest producers of solar power. After several years of leading the field, the country was ...

After leading the field for several years, the country ranked 5th globally in installed capacity in the International Renewable Energy Agency's (IRENA) global ranking in 2021.

According to IRENA worldwide ranking, Germany, one of the major producers of solar electricity in world, is ranked in the top five for installed solar capacity.

Solar photovoltaics are on the list of renewable energy sources Germany would like to transition to using more. In fact, in the European Union, Germany already produced the most ...

Wind power took first place as the strongest net electricity producer, followed by photovoltaics, which increased its production by 21 percent in 2025 and overtook lignite for the first time.

Historically, the average for Germany from 1991 to 2023 is 16.99 billion kilowatthours. The minimum value, 0 billion kilowatthours, was reached in 1991 while the maximum of 59.7 billion kilowatthours ...

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.

Far from being a sun-drenched country, Germany boasts one of the world's highest solar power outputs. The

country triggered the large-scale launch of the technology with guaranteed feed-in tariffs in the ...

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