



Solar power generation over Germany





Overview

Germany produced 18% of its electricity through solar power in 2025, up from 14% in 2024, a significant leap that meant solar overtook both coal and methane gas in the country's electrical supply - despite the high latitudes the whole country sits at. Solar power accounted for an estimated 15% of electricity production in Germany in 2024, up from 1. [2][3][4][5] Germany has been among the world's top PV installer for several years, with total installed capacity over 100 gigawatts (GW) in 2025, [6] up from. In 2025, the share of renewables in Germany's net public electricity generation amounted to 55. 9 percent, as in the previous year. The country triggered the large-scale launch of the technology with guaranteed feed-in tariffs in the year 2000, propelling its companies to global leadership.



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State of the Energy Transition in Germany: Annual Review 2025

Power generation 2025 Renewable power generation rose by around 2 percent, covering 55.3 percent of electricity demand in 2025. The main drivers were strong photovoltaic expansion and ...

[Solar shines as Germany's top electricity source in April](#)

Solar farms are set for a record stretch of power sector dominance in Germany after becoming the single largest generation source in the country at the earliest point of the year ever.



Germany

Germany remains one of the global leaders for wind and solar energy deployment. Since the introduction of its landmark renewable energy law (Erneuerbare-Energien-Gesetz) in 2000, its ...

[Solar power in Germany - output, business & perspectives](#)

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 ...



German Public Electricity Generation in 2025: Wind and Solar Power ...

Across the EU, photovoltaics surpassed coal-fired power generation for the first time in 2025. Wind power was the strongest net electricity producer in Germany, although production was ...

Solar photovoltaics in Germany

Discover all statistics and data on Solar photovoltaics in Germany now on statista !



Solar power in Germany

Since 2004 solar power in Germany has been growing considerably due to the country's feed-in tariffs for renewable energy, which were introduced by the German Renewable Energy Sources Act, and ...

Germany sets clean energy record:



62.7% of electricity generated ...

Germany's electricity generation from renewable sources reached a historic high in 2024, accounting for a remarkable 62.7% of the total share. Solar energy contributed a new record of 72.2 terawatt-hours ...



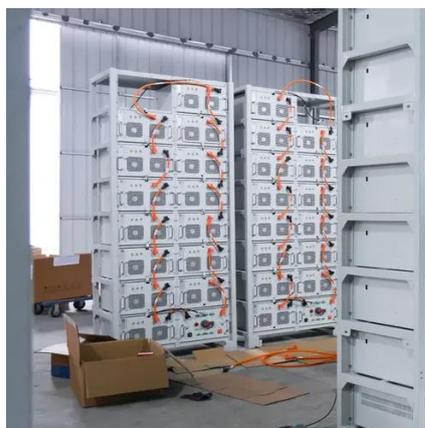
Solar power overtakes coal and gas in Germany, a country

Germany produced 18% of its electricity through solar power in 2025, up from 14% in 2024, a significant leap that meant solar overtook both coal and methane gas in the country's ...



Energy-Charts

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.





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