



Germany s share of solar power generation





Overview

Solar power accounted for an estimated 15% of electricity production in Germany in 2024, up from 1. [2][3][4][5]. In Germany, net public electricity generation from renewable energy sources reached a record share of 62. 2 terawatt hours in 2024, and the expansion of photovoltaics continued to exceed the federal government's targets. 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.



Germany's share of solar power generation



[Germany sets clean energy record: 62.7% of electricity generated ...](#)

Solar energy now makes up 14% of Germany's electricity generation, with July 2024 seeing the highest solar production ever recorded. Hydropower and biomass also contributed significantly, with ...

[Renewable Energy Made Up 62.7% of Germany's ...](#)

Total solar power production increased by 18% compared to 2023, ...



[Renewables accounted for nearly 60% of Germany's power generation ...](#)

Solar energy saw a significant surge, with electricity generation increasing by 10.4% to 59.5 TWh. This brought solar power's share of Germany's total electricity supply to 13.8%.



[Germany hits 62.7% renewables in 2024 electricity mix, with solar](#)

The Fraunhofer Institute for Solar Energy Systems (Fraunhofer ISE) reports that Germany generated 72.2 TWh of solar in Germany in 2024, accounting for 14% of total electricity generation.



Solar power in Germany

Solar 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. [2][3][4][5] Germany has been among the world's top PV installer ...



[German Net Power Generation in 2024: Electricity Mix Cleaner than Ever](#)

In Germany, net public electricity generation from renewable energy sources reached a record share of 62.7 percent in 2024. Solar power generation reached a new record of 72.2 terawatt ...



[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.



Solar photovoltaics in Germany



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[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 ...

[Renewable Energy Made Up 62.7% of Germany's Electricity in 2024](#)

Total solar power production increased by 18% compared to 2023, and solar energy made up 14% of the total net public electricity generation, according to Fraunhofer ISE.



Solar power in Germany

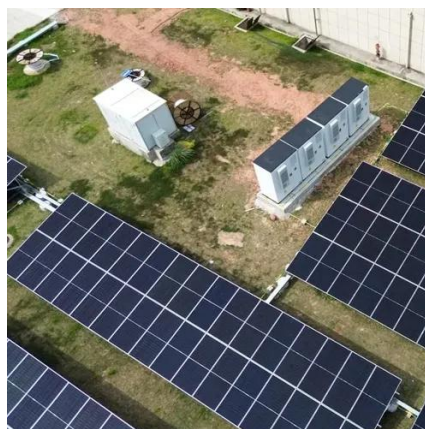
OverviewHistoryGovernmental policiesStatisticsCompaniesSee alsoExternal links

Solar 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...



[Solar power covers 18 percent of Germany's electricity consumption](#)

Berlin (dpa, d) - Solar power installations in Germany produced significantly more electricity last year. Their share of domestic electricity production grew from 14 percent (2024) to ...





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