

# Germany's solar power generation conditions



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## Overview

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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.

## Germany's solar power generation conditions



### Solar power overtakes coal and gas in Germany, a

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

### Germany

Germany is a developed country with a strong economy; it has the largest economy in Europe by nominal GDP. As a major force in several industrial, scientific and technological sectors, Germany is



### Facts about Germany

Germany is a parliamentary democracy with its Basic Law serving as the constitutional foundation. Germany is a federation comprising 16 federal states. Who governs in Germany? The

### Solar power in Germany - output, business

Solar arrays can contribute a much greater share to the German power mix during particularly sunny times. In July 2024, Germany recorded its



### 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

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### German Public Electricity Generation in 2025: Wind

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



### Electricity generation in Germany in 2025

Solar installations generated around 87 TWh of electricity in 2025. Of this, approximately 71 TWh was fed into the public grid and 16.9 TWh was self-consumed. Total production increased compared to

## Germany Maps & Facts

Physical map of Germany showing major cities, terrain, national parks, rivers, and surrounding countries with international borders and outline maps. Key facts about Germany.



[Website of the Federal Government, Bundesregierung](#)

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Germany is a country of north-central Europe. Although Germany existed as a loose polity of Germanic-speaking peoples for millennia, a united German nation in roughly its present form dates



## Germany

Germany has a population of 83.4 million people (2024); the capital and largest city is Berlin, with about 3.3 million inhabitants. The official language is German (Standard German, German: Hochdeutsch),

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