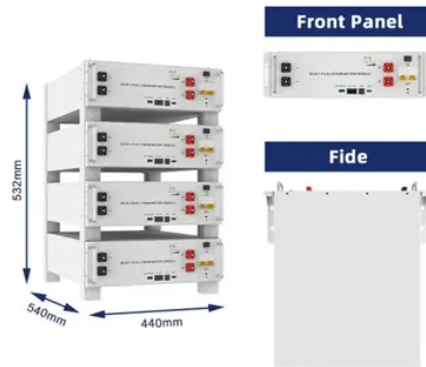


Germany green electricity



Overview

Renewable energy in Germany is mainly based on wind, solar and biomass. In 2024, 59,0% (254,9 TWh of 431,7 TWh) of the electricity produced in Germany came from renewable Energies: 31,87% Wind (Onshore 25,92% + offshore 5,95%), Photovoltaics 14,66%, Biomass 8,33%, hydropower 3,97%. Germany had. Renewable energy sources are some of the most important sources of electricity for Germany, and the expansion of renewables is one of the central pillars in Germany's energy transition. 9 percent, as in the previous year. 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. Germany's Climate Law sets out the framework for reaching net zero emissions by 2045. Germany has been an. The “Energiewende” – Germany's transition towards a secure, environmentally friendly, and economically successful energy future – includes a large-scale restructuring of the energy supply system towards the use of renewable energy in all sectors. 5 TWh of electricity in 2024, with 59.



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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

State of the energy transition in Germany: annual

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

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Germany's electricity supply is becoming “greener” every year. The share of renewables in electricity consumption has steadily grown over the last few years – rising from around 6% in 2000 to around

Renewable energies in figures

In 2025 renewable energy sources provided 290 billion kilowatt-hours of electricity and accounted for 55.1 percent of German electricity demand. With wind power being by far the most

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