

German Electricity



Article Overview

Germany is a leader in electricity production, with a significant focus on renewable energy sources, and is undergoing a major energy transition known as the Energiewende.

Electricity Production and Sources

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In 2024, Germany produced 488.5 TWh of electricity, with 59.4% coming from renewable sources. The breakdown of renewable energy sources includes:

- 31.1% from wind power
- 12.1% from solar power
- 8.4% from biomass
- 3.4% from hydropower and other renewables .

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The country has completed its nuclear phase-out as of 2023 and is in the process of phasing out coal and fossil gas, aiming to eliminate coal by 2038 or earlier .

Energy Transition (Energiewende)

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The Energiewende is Germany's policy initiative aimed at transitioning to a low-carbon, nuclear-free energy system. This includes increasing the share of renewables in the energy mix and improving energy efficiency

Article Content

Germany | Electricity Maps

Track real-time and historical electricity data worldwide — see production mix, CO2 emissions, prices, cross-border

Germany Electricity Generation Mix 2026 | Low-Carbon Power Data

Germany's electricity mix includes 30% Wind, 20% Coal and 19% Solar. Low-carbon generation peaked in 2019.

Grids and infrastructure | BMW

Germany has a well developed and intricately meshed electricity grid. The primary responsibility for operating the grids securely and

Developments in the electricity and gas markets

The main reasons behind the decrease were the slowing economy, the mild weather, an increase in imports due to lower electricity

Energy in Germany

Key to Germany's energy policies and politics is the Energiewende, meaning "energy turnaround" or "energy transformation". The

Electricity generation in Germany in 2025

This report presents data on German net electricity generation for public power supply. When using net values, a power plant's

Best Electricity Providers In Germany For Foreigners

Keen on saving quite some money? We show you how to find the best electricity providers in Germany for your area

Electricity in Germany

Germany's electricity market is among the world's largest, generating 513.7 terawatt-hours in 2023 and ranking

Public Electricity Generation 2023: Renewable Energies cover the ...

In 2023, net public electricity generation reached a record share of renewable energies of 59.7 percent. The share of

An electricity market for the energy transition | BMW

To combat climate change, electricity generated from wind, solar, and other renewable sources already accounts for

Mapped: How Germany generates its electricity

Mapped: How Germany generates its electricity Update: as of 31 March 2025, this map is no longer interactive.

Germany electricity price 2026| Statista

The electricity price in Germany hit a record high in August 2022 and was on a decreasing trend in 2023 and 2024.

Beginner's Guide to the German Electricity Market

Please note: You will only switch to a different electricity supplier if the current energy contract is in your name. It won't be possible to

Germany Electricity PriceQuote

Germany Electricity increased 4.51 EUR/MWh or 4.61% since the beginning of 2026, according to the latest spot benchmarks offered

Electricity and energy prices in Germany

Electricity prices for commercial and industrial customers in Germany 2014-2025
Electricity prices for commercial and industrial

Germany: household electricity prices 2025| Statista

The price of electricity for households in Germany increased considerably over the time period recorded.

Bundesnetzagentur

Germany has sufficient electricity generation capacity. Electricity is usually imported whenever domestic production

SMARD | Evaluation of last year

2 January 2025 - Electricity consumption (grid load) in Germany in 2024 was up 0.9% and generation down 4.2% compared to the

Germany's energy consumption and power mix in charts

This factsheet provides a range of charts (and data links) about the status of Germany's energy mix, as well as

Electricity sector in Germany

Germany is a major electricity producer and consumer. It has the largest economy in the European Union. The country produced

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://watermanfinance.co.za>

Email: sales@watermanfinance.co.za

Phone: +49-176-8294713

Address: Neue Mainzer Str. 66-68, 60311 Frankfurt am Main, Germany

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