



Wind power national power generation ranking

Which country is a leader in wind energy generation?

1. China China is a global leader in wind energy generation. The country had a significant installed capacity for wind power, contributing substantially to its renewable energy goals. China experienced a remarkable surge in its solar capacity, averaging an annual growth of 78.3 TWh in 2021-22, doubling the pace observed from 2015 to 2020.

Which countries have the most wind power in 2024?

This visual shows the top 15 countries by total installed wind turbine capacity, based on data from the Energy Institute's 2025 Statistical Review of World Energy report. Below, we show the world's leading countries in wind power capacity in 2024: With nearly 522,000 MW of wind turbine capacity, China by far is the global leader.

Which countries have the most wind power?

China leads with 521,746 MW of installed wind capacity, growing 18% year-over-year, far outpacing all other countries. The U.S. ranks second with 153,152 MW but shows no growth from 2023 to 2024, similar to Germany, Spain, and the UK. Among smaller markets, Brazil (+13%), Australia (+18%), and Türkiye (+10%) stand out for double-digit growth.

Which state has the highest wind power potential?

The latest evaluation reveals a wind power potential of 695.50 GW at 120 meters and 1163.9 GW at 150 meters above ground level. Rajasthan possesses the highest wind energy potential, with an estimated capacity of 4,858 MW. This calculation considers a one per cent land availability in potential areas and a land requirement of 12 hectares per MW.

Share of wind power in electricity generation and consumption The world's installed wind power capacity now meets well over 10% of global electricity demand - and much more than nuclear ...

Leading countries in wind power generation worldwide in 2024 (in terawatt hours) You need a Statista Account for unlimited access

Wind electricity generation, billion kilowatthours, 2022: The average for 2022 based on 189 countries was 11.16 billion kilowatthours. The highest value was in China: 762.67 billion kilowatthours and the ...

Who's Winning the Wind Energy Race? Current Global Rankings Revealed As of Q1 2025, wind power generates 12.5% of global electricity - but which countries are truly leading this ...

The Top Countries by Wind Power Energy in 2024 This was originally posted on our Voronoi app. Download the app for free on iOS or Android and discover incredible data-driven charts ...

This dashboard ranks countries/areas to their renewable energy power capacity or electricity generation. The

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data can be further refined based on region, technology or year of interest. [Home](#) > [Data](#) > [View ...](#)

Renewable electricity share in 2025: why "power generation" is a different metric This ranking tracks the share of electricity generated from renewable sources (hydro, wind, solar, ...

About this data Share of electricity generated by wind power Measured as a percentage of total electricity produced in the country or region.

Another national target is achieving 100% renewable electricity production by 2040, with the Swedish Energy Agency estimating the need for 2.5 to 6 TWh of additional renewable power ...

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