



# What is the ranking of annual wind power generation





## Overview

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China leads with 521,746 MW of installed wind capacity, growing 18% year-over-year, far outpacing all other countries. 5 terawatt hours (TWh) of wind power in 2021, more than 29% of the global total of 1,596. 4 TWh produced during the year. 40 TWh of wind. • Brazil becomes second largest market and joins top 5 wind power nations The full report as of 23 April 2025 can be downloaded here as PDF file Bonn (WWEA) - In 2024, new wind turbine installations fell far short of expectations, reaching 121'305 Megawatt, slightly less than in 2023, when 121'465. The worldwide total cumulative installed electricity generation capacity from wind power has increased rapidly since the start of the third millennium, and as of the end of 2023, it amounts to over 1000 GW. Among smaller markets, Brazil (+13%), Australia (+18%), and. Here is the list of world's leading renewable energy generating countries in the world. This includes both onshore and offshore wind sources. Data source: Ember (2026); Energy Institute - Statistical Review of World Energy (2025) - Learn more about this data Measured in terawatt-hours.



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### Global wind power market

In 2024, the total wind power capacity installed worldwide surpassed 1.1 terawatts, growing by more than 100 gigawatts in comparison to the previous year. China is the leading country in terms



### Global Statistics

The world's installed wind power capacity now meets well over 10% of global electricity demand - and much more than nuclear power. More than 30 countries now have a share of wind power above the world ...

### [Top 10 Nations Leading in Wind Energy](#)

Here is the list of world's leading renewable energy generating countries in the world. 1. China is a global leader in wind energy generation. The country had a significant installed capacity for wind power, ...



### [Top 10 Nations Leading in Wind Energy](#)

Wind power generation, 2025 Annual electricity generation from wind is measured in terawatt-hours (TWh) per year. This includes both onshore ...



### Wind power by country

In Q4 2023, wind power exceeded coal in European electricity generation for the first time, generating 193 TWh compared to coal's 184 TWh. Despite wind installation challenges, wind generation rose by 20% from 2022.

### Wind power generation, 2025

Wind power generation, 2025 Annual electricity generation from wind is measured in terawatt-hours (TWh) per year. This includes both onshore and offshore wind sources.



### Wind power by country

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### Wind electricity generation



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 lowest value was in ...



## Wind Power by Country 2026

The United States is the second-largest producer of wind power, and generated 341.40 TWh of wind power in 2021, equal to just over 21% of total global production. Together, China and the United States generated ...

## [WWEA Annual Report 2024: A Challenging Year for Windpower](#)

Wind power, together solar energy, is now widely recognised as the source of electricity for resilient and innovative economies. Seven countries already get a third of their electricity from wind, showing ...



## [Ranked: The Top Countries by Wind Power Capacity in 2024](#)

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. Even more impressively, capacity ...

## [WWEA Annual Report 2023: Record Year](#)



## for Windpower

Countries like Denmark, leading with 56% of its electricity generated from wind, alongside Germany, the Netherlands, Portugal, the UK, and Uruguay, demonstrate the potential and reliability of wind ...





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