



# My country s potential wind power generation capacity





## Overview

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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. 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. [2] Since 2010, more than half of all new wind power was added outside the traditional. • Total capacity exceeds 1'174 Gigawatt, • 121 Gigawatt added in 2024, slightly less than the last year • Dramatic 18% decline outside China • Annual growth rate falls from 13,0% to 11,5% • China installs 87 Gigawatt, 72% of new global capacity • Brazil becomes second largest market and joins top 5. The mean wind speed is a measure of the wind resource. 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. Annual electricity generation from wind is measured in terawatt-hours (TWh) per year. This includes both onshore and offshore wind sources.



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### Global Statistics

These countries demonstrate that the world as a whole can achieve a 40-50% share of wind power in total electricity generation, as outlined by the WWEA in a long-term scenario.

### Global Wind Atlas

The Global Wind Atlas is a free, web-based application developed to help policymakers, planners, and investors identify high-wind areas for wind power generation virtually anywhere in the world, and then ...



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

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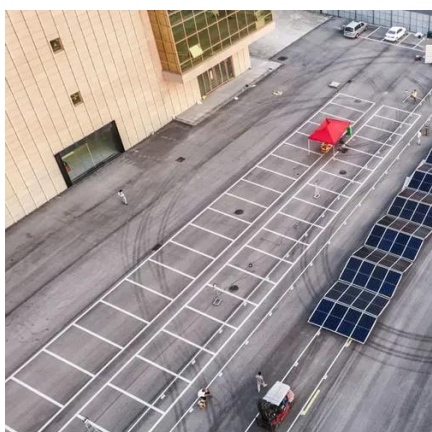
### Global Wind-Power Generation Capacity in the Context of Climate ...

This issue calls for critical attention when establishing power systems with a high share of renewable energy sources. The conclusions provide a basis for analyzing power supply risks and ...



### Wind Power by Country 2026

Also includes information on each country's actual yearly production of wind-generated electricity, as well as the amount of electricity generated in offshore wind farms as compared on onshore farms.



### Global cumulative installed capacity of wind power 2024, Statista

China is by far the largest installer of wind power in the world, more than tripling the second-ranked United States. As of the end of 2024, China had cumulatively installed over 561 ...



### Wind power generation, 2025

This dataset contains yearly electricity generation, capacity, emissions, import and demand data for over 200 geographies. You can find more about Ember's methodology in this ...

### Wind power by country



Wind power is used on a commercial basis in more than half of ...



### Wind electricity capacity by country around the world

The average for 2022 based on 189 countries was 4.77 million kilowatts. The highest value was in China: 365.96 million kilowatts and the lowest value was in Afghanistan: 0 million kilowatts. The ...

## Summary Tables

Offshore Wind Farm Operational Capacity by Country/Area and Year in Megawatts (MW)  
February 2026



## Wind power by country

Wind power is used on a commercial basis in more than half of all the countries of the world. [3] Denmark produced 58% of its electricity from wind in 2023, a larger share than any other country.



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