



My country s potential wind power generation capacity





Overview

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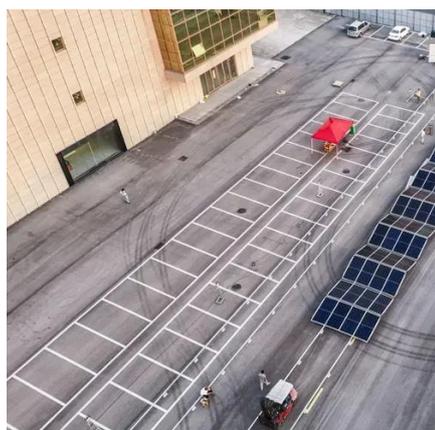
Global Wind-Power Generation Capacity in the Context of Climate ...

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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