

Ranking of wind power generation quality



Overview

Meta Description: Discover the 2025 global wind power rankings and learn why China, the US, and Germany dominate. Explore policy drivers, technological breakthroughs, and regional challenges shaping the wind energy landscape. Who's Winning the Wind Energy Race?

Current. Wind power is clean, renewable, sustainable, affordable to construct, and easy to scale up or down in size to attain the optimal power output. Wind power is generated through the use of wind turbines, whose blades turn when the wind blows, which then spins a generator either directly or through a. This dashboard ranks countries/areas to their renewable energy power capacity or electricity generation. • China installs 87 Gigawatt, 72% of new global capacity • 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. 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. [2] Since 2010, more than half of all new wind power was added outside the traditional. Leading wind power turbine manufacturers like Vestas (Denmark), Siemens Gamesa (Spain), Goldwind (China), and GE Vernova (France) continue to dominate global markets with massive installed bases and expanding order books. German firms such as ENERCON and Nordex, as well as China's Mingyang Smart. The average for 2022 based on 189 countries was 11. The highest value was in China: 762. The indicator is available from 1980 to 2023. Below is a chart for all countries where data are.

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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 ...

Global Top 15 Wind Turbine Manufacturers [2025]

German firms such as ENERCON and Nordex, as well as China's Mingyang Smart Energy and Envision Energy, are also key players shaping the future of wind power. This ranking highlights the top 15 ...



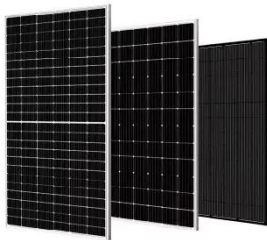
Ranked: The Top Countries by Wind Power Capacity in 2024

This graphic shows the global leaders in wind power energy as China surged ahead while the U.S. faced setbacks.

Global Wind Power Generation

Rankings 2025: Top 10 Countries ...

From China's mega-projects to Germany's community wind cooperatives, the 2025 rankings reveal a fragmented but determined global effort. One thing's clear: countries combining ...

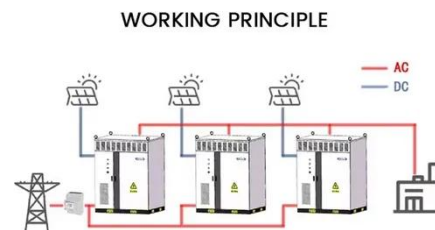


Wind power by country

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 ...

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.



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 ...



Country Rankings

This dashboard ranks countries/areas to their renewable energy power capacity or electricity generation. The data can be further refined based on region, technology or year of interest.



Wind Energy by State , February 2026 , Choose Energy

In November, Iowa generated the highest percentage of its statewide energy from wind power. The state produced 64.2% of its total electricity from wind. Wind energy generation increased ...

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 ...



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