

Wind power sector power generation ranking table



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. • 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. This dashboard ranks countries/areas to their renewable energy power capacity or electricity generation. 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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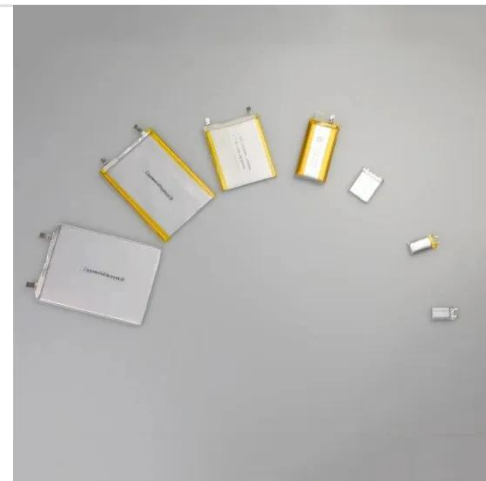
Ember's latest yearly electricity generation, capacity, emissions and demand data from more than 200 geographies, published in December, showed that wind power's share of worldwide electricity usage ...

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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.

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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.

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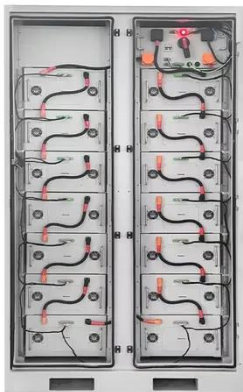
Wind power by country

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. Since 2010, more than half of all new wind power was added outside the traditional markets of Europe and North America, mainly driven by the continuing boom in China and India. China alone had over 40% of the world's ca...



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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 ...

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Renewable energy sources, notably wind, hydro, and solar power, are pivotal in advancing cost-effective power generation (Ang et al. 2022). These sources, being



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- LIQUID/AIR COOLING
- IP54/IP55
- BATTERY 6000 CYCLES

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Global Wind Power Generation Rankings 2025: Top 10 Countries ...

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 ...

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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.

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- IP65/IP55 OUTDOOR CABINET
- OUTDOOR CABINET WITH AIR CONDITIONER
- OUTDOOR ENERGY STORAGE CABINET
- 19 INCH

Wind electricity generation by country, around the world

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 ...

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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.

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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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