

Wind power sector power generation ranking

Voltage range

636V-876V

Rated voltage

768V

Cell type

Lithium iron phosphate



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. 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. 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. Here is the list of world's leading renewable energy generating countries in the world. It is widely cited — and widely misunderstood — because many readers silently substitute a different idea:.

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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.

[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 ...

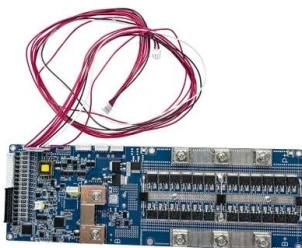


[Top 10 Nations Leading in Wind Energy](#)

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, ...

[Global Wind Power Generation Rankings 2025: Top 10 Countries Leading](#)

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 ...



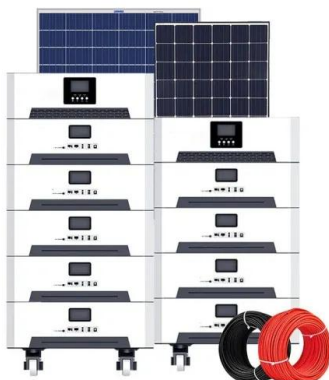
Wind power by country

As of 2023, Europe had a total installed wind capacity of 255 gigawatts (GW). In 2017, a total of 15,680 MW of wind power was installed, representing 55% of all new power capacity, and the wind power generated 336 TWh of electricity, enough to supply 11.6% of the EU's electricity consumption. In Q4 2023, wind power exceeded coal in European electricity generation for t...

[Top 100 Countries by Share of Renewable Energy in Power Generation](#)

This ranking tracks the share of electricity generated from renewable sources (hydro, wind, solar, bioenergy and other renewables) as a percentage of a country's total electricity generation.

12.8V 100Ah



[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 ...

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.

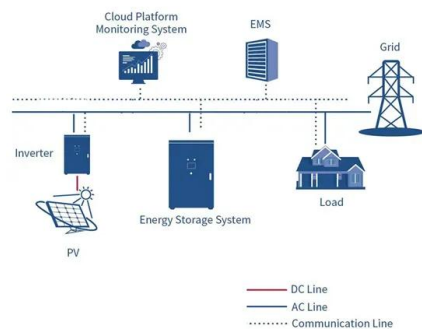


Global Statistics

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 ...

[Leading wind power producing countries 2024](#)

Leading countries in wind power generation worldwide in 2024 (in terawatt hours) [Graph].



[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 lowest value was in ...

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