

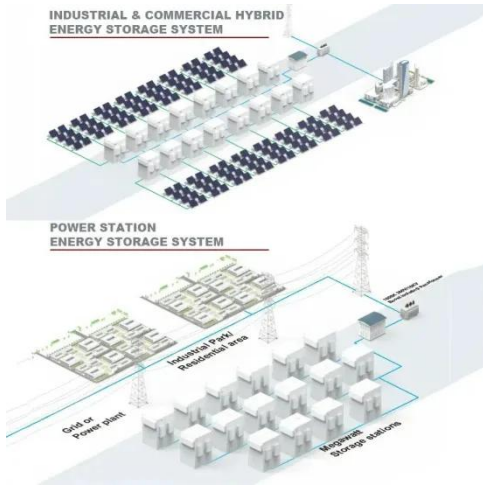
Countries with mature wind power generation



Overview

The countries with the largest market volume for new wind turbines were in 2024: China (86,7 GW), Brazil (5,4 GW), United States (4,2 GW), India (3,4 GW), Australia (3,3 GW), Germany (3,2 GW) and the United Kingdom (2,2 GW). Long-term developments: Growth continues but. Wind power and its synonym wind energy are terms that refer to electricity that has been generated by harnessing the power of wind, as opposed to other methods such as solar panels or the burning of fossil fuels. Wind power is clean, renewable, sustainable, affordable to construct, and easy to. 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. 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. 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 MW were installed. Higher mean wind speeds normally indicate better wind resources, but mean wind power density gives a more accurate indication of the available wind resource.

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Wind Power by Country 2023

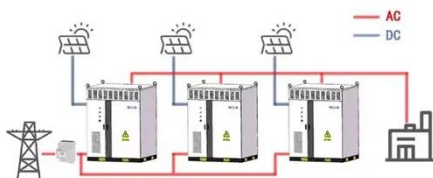
Learn for yourself about wind power by country by investigating the data in the map and charts.

Wind power generation. Data by Countries from 1978 to 2023

Official statistics by year of wind power generation (TWh). The values are presented in tables and charts with calculations of changes and shares, and with extensive analytical functionality.



WORKING PRINCIPLE



Global Statistics

More than 30 countries now have a share of wind power above the world average - more than 10%.

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 ...

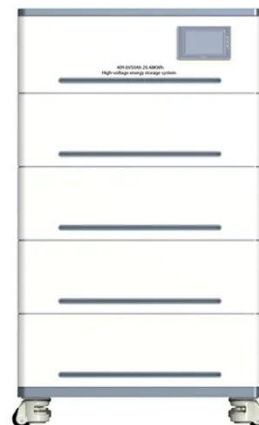


Wind power generation, 2025

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 ...

Ranked: The Top Countries by Wind Power Capacity in 2024

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.



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

grew by 75%, the largest percent increase in 2022. [2] In November 2018,

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