



International Wind Power Generation





Overview

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 available. 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. Many of the major markets installed less than in the previous year – in almost half of the top 20 markets, new capacity was. Onshore wind is a proven, mature technology with an extensive global supply chain. Onshore wind has evolved over the last five years to maximise electricity produced per megawatt capacity installed to unlock more sites with lower wind speeds. Wind turbines have become bigger with taller hub. Wind power in Asia is an important component in the Asian energy industry and one of the key sources of renewable energy in the region.



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How the wind blows: Numbers and data on renewables

In 2023 the global wind industry expanded its capacity by over 50% compared to the previous year as countries around the world ramped up investments in wind energy generation. ...

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 ...



[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 ...

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.



1mwh
(500kw/1mw)
AIR COOLING
ENERGY STORAGE CONTAINER



Advantages and Challenges of Wind Energy

Wind energy advantages explain why wind power is one of the fast-growing renewable energy sources in all the world.

Global Wind Power Tracker

The Global Wind Power Tracker (GWPT) is a worldwide dataset of utility-scale, on and offshore wind facilities. It includes wind farm phases with capacities of 10 megawatts (MW) or more.



Wind power by country

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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 ...



Renewable energy statistics 2025

Renewable energy statistics 2025 provides datasets on power-generation capacity for 2015-2024, actual power generation for 2015-2023 and renewable energy balances for over 150 countries and areas for ...

[Wind Energy: Global Electricity Generation 2024 , Low ...](#)

Compare Wind power generation by country with 2024 data and track the low-carbon transition.





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