

# Total wind power generation in the world



## Overview

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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. • 121 Gigawatt added in 2024, slightly less than the last year • Dramatic 18% decline outside China • Annual growth rate falls from 13,0% to 11,5% • 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. China is the largest producer of wind power in the world, having generated 466. 4 TWh produced during the year. The United States is the second-largest producer of wind power, and generated 341. Data source: Ember (2026); Energy Institute - Statistical Review of World Energy (2025) - Learn more about this data Measured in terawatt-hours. 1 terawatts, growing by more than 100 gigawatts in comparison to the previous year.

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### Global wind power market

In 2024, the total wind power capacity installed worldwide surpassed 1.1 terawatts, growing by more than 100 gigawatts in comparison to the previous year. China is the leading country ...

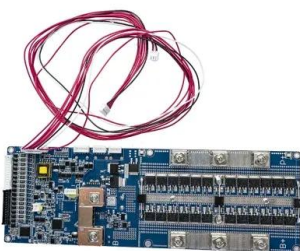
### [Electricity - Global Energy Review 2025 - Analysis](#)

For the first time ever, power generation from renewables and nuclear covered two-fifths of total global generation in 2024. Renewables collectively accounted for one-third of electricity generation, led by ...



### [Wind Power by Country 2026](#)

China is the largest producer of wind power in the world, having generated 466.5 terawatt hours (TWh) of wind power in 2021, more than 29% of the global total of 1,596.4 TWh produced during the year.



### [Wind Power Breaks Records in 2024, Paving the Way for a Greener ...](#)

The year's growth, 109GW from onshore wind and 8GW from offshore, has pushed total global wind capacity to 1,136GW, now spanning every continent. In 2024 alone, wind turbines were installed in ...



[Wind electricity generation by country, around the world](#)

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 Afghanistan: 0 billion kilowatthours. ...



[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 ...



**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. [2]

## 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 Power by Country 2026](#)

China is the largest producer of wind power in the world, having ...

## Wind energy in the world

Global installed wind power capacity has 1,136 GW, of which 1,052.3 GW came from onshore installations and 83.20 GW from offshore. In 2024 were added 113.23 GW of new capacity: 108.05 ...



## [Installed wind energy capacity](#)

At the link below you can find a detailed description of the structure of our data pipeline, including links to all the code used to prepare data across Our World in Data.

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