

# Wind power sector power generation ranking

Which country has the most wind power?

China is the leading country in terms of cumulative wind installations and newly installed wind power capacity. In 2023, the Asian country added some 76.7 gigawatts of wind power, which translates to more than three-quarters of the global capacity added that year.

Which countries produce the most wind energy in 2022?

In the context of regional growth, the Middle East, Latin America, South East Asia, and Africa saw their combined contributions to wind power generation increase from 8% to a promising 10% in 2022. China, the global leader in wind energy generation, produced a staggering 466.5 MWh in 2022, accounting for over 40% of the world's wind energy.

Which countries have the best wind power markets?

Emerging wind power markets, such as Brazil, India, and Mexico, hold their own against traditional markets, ranking in the top 13 globally. This signifies a positive shift towards renewable energy in these rapidly developing economies.

How much wind power does the world need?

The world's installed wind power capacity now meets around 10% of global electricity demand - another important milestone. More than ten countries now have a wind power share of more than 20%, led by Denmark, which generates an astonishing 56% of its electricity from wind.

What role does China play in global wind power development?

China once again plays an exceptional role in driving global wind power development - according to estimates, the country added 75 Gigawatt in 2023. The new record was only broken thanks to China, which accounts for 65% of the global market for new wind turbines - up from 58% in 2022.

How much wind power does China have in 2023?

In 2023, the Asian country added some 76.7 gigawatts of wind power, which translates to more than three-quarters of the global capacity added that year. Overall, China accounted for almost half of cumulative wind power installations worldwide as of end of 2023. Find up-to-date statistics and facts on the global wind power market.

Power sector emissions plateaued in the first half of 2023, with a slight increase of 0.2% compared to the same period last year, as wind and solar continue to grow. Wind and ...

1. China - installed wind capacity of 342GW. China is the world leader in wind energy, with over one-quarter of the world's wind power capacity. The country has the world's largest onshore windfarm in Gansu Province,

built ...

According to GlobalData, wind power accounted for 13% of Brazil's total installed power generation capacity and 14% of total power generation in 2023. GlobalData ...

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 in 2022 was ...

In terms of the geographical split, 6 out of 10 of the world's top wind power plant operators are based in Europe, and the remaining are based in Asia and North America. They employed a ...

Share of electricity production from wind, 2023 [1] Global map of wind speed at 100 m above surface level [2]. The worldwide total cumulative installed electricity generation capacity from ...

China is cementing its position as the global leader in renewables development with 180 GW of utility-scale solar and 159 GW of wind power already under construction<sup>1</sup>. The ...

We expect that wind power generation will grow 11% from 430 billion kWh in 2023 to 476 billion kWh in 2025. In 2023, the U.S. electric power sector produced 4,017 billion ...

India was ranked fourth in wind power capacity and solar power capacity, and fourth in renewable energy installed capacity, as of 2023. Installed renewable power generation capacity has ...

Aligning with the wind power generation level of about 7 400 TWh in 2030 envisaged by the Net Zero Scenario calls for average expansion of approximately 17% per year during 2023-2030. ...

More than 77 GW of wind power capacity - including 68.4 GW onshore and nearly 8.8 GW offshore - was added to the world's grids in 2022, increasing the total operating capacity 9% ...

The increase in global wind power share to 10% of electricity generation marks a significant milestone towards our goal of a cleaner, more resilient energy system. Countries like Denmark, leading with 56% of its ...

WWEA has estimated that repowering alone can double today's wind power generation. Share of wind power in electricity generation and consumption ... WWEA is an international non-profit association embracing ...

During 2016-2020, China will continue to stimulate the development of the wind power sector. The Thirteenth Five-Year Plan for Wind Power Development sets out a goal of ...



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According to GlobalData, wind power accounted for 0.18% of Indonesia's total installed power generation capacity and 0.11% of total power generation in 2023. GlobalData ...

Its death rate since 1965 is 1.3 deaths per TWh. This rate is almost completely dominated by one event: the Banqiao Dam Failure in China in 1975, which killed approximately 171,000 people. Otherwise, hydropower was ...

According to GlobalData, wind power accounted for 27% of the UK's total installed power generation capacity and 29% of total power generation in 2023. GlobalData ...

According to GlobalData, wind power accounted for 2% of the Philippines's total installed power generation capacity and 1% of total power generation in 2023. GlobalData ...

The mission of PFC is to function as the prime development financial institution dedicated to the growth and overall development of the power sector. The borrower-portfolio of PFC comprises ...

Wind power plays a major role in the decarbonization of the power sector. Already now, it supplies increasing shares of the global energy demand. ... In particular, ...

With nearly 3,000 terawatt-hours of electricity produced, wind and solar accounted for a combined 10.5% of global 2021 generation, BNEF found in its annual Power ...

The cumulative installed wind power capacity stood at 41.93 GW in FY 2023 in India. It is expected to reach 52.48 GW by FY 2027. This growth trajectory demonstrates ...

WWEA has estimated that repowering alone can double today's wind power generation. Share of wind power in electricity generation and consumption ... WWEA is an ...

With nearly 3,000 terawatt-hours of electricity produced, wind and solar accounted for a combined 10.5% of global 2021 generation, BNEF found in its annual Power Transition Trends report. Wind's contribution to the ...

Its death rate since 1965 is 1.3 deaths per TWh. This rate is almost completely dominated by one event: the Banqiao Dam Failure in China in 1975, which killed ...

The global wind industry installed a record 117GW of new capacity in 2023, making it the best year ever for new wind energy, finds this year's Global Wind Report from the Global Wind Energy Council. The report finds the wind ...

According to GlobalData, wind power accounted for 7% of Mexico's total installed power generation capacity



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and 6% of total power generation in 2023. GlobalData ...

Globally, 77.6 GW of new wind power capacity was connected to power grids in 2022, bringing total installed wind capacity to 906 GW<sup>1</sup>, a growth of 9% compared with 2021. The world's top five markets for new installations in 2022 ...

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.

Contribution of Other RE Sources: Projections for large hydropower and wind energy remain modest in the future power mix.. Large hydro generation is expected to ...

Aligning with the wind power generation level of about 7 400 TWh in 2030 envisaged by the Net Zero Scenario calls for average expansion of approximately 17% per year during 2023-2030. Policy support for wind power is increasing in ...

The Offshore Wind Power Sector is Expected to Witness Significant Growth ... These types of projects are expected to accelerate wind energy generation across the world between 2024 ...

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