

China's wind power generation share over the years

How much wind power does China have?

With its large land mass and long coastline, China has exceptional wind power resources: Wind power remained China's third-largest source of electricity at the end of 2021, accounting for 7.5% of total power generation. In 2020, China added 71.6 GW of wind power generation capacity to reach a total capacity of 281GW.

How big is China's solar & wind power capacity?

Wind and solar now account for 37% of the total power capacity in the country, an 8% increase from 2022, and widely expected to surpass coal capacity, which is 39% of the total right now, in 2024. Cumulative annual utility-scale solar & wind power capacity in China, in gigawatts (GW)

Does China have more wind power than solar?

While China has deployed record volumes of both solar and wind power capacity over the past decade, wind generation capacity has grown more steeply than solar capacity since 2020.

How has wind power impacted China's electricity production?

That widespread rise in wind output has helped push wind power's share of China's total electricity generation steadily higher, to an average of 11.4% during the first quarter of 2024 from 9.6% during all of 2023, according to Ember.

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.

How much wind power does China have in 2021?

As of 2021, China had an installed wind power capacity of 328.48 gigawatts. Since was a more than threefold increase since 2014, when a little over 90 gigawatts of wind power were connected to the wind. Wind has seen the greatest year-on-year power generation capacity growth in China. Get notified via email when this statistic is updated.

China's electricity demand in May 2024 grew by 49TWh (7.2%) from a year earlier. At the same time, generation from clean energy sources grew by a record 78TWh, including a record rise ...

China's efforts towards net-zero carbon dioxide emissions are staggering compared to other countries. For example, China's solar capacity spree in 2021 saw it build as much in one year as Germany has over its entire

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history. ...

Never before has a single country played such a dominant role in global wind power development as China in the year 2023. With an annual growth rate of 19,2%, one of the highest rates of any major market, China is ...

The US pioneered in the development of wind-powered generation of electricity in the 1980s and early 1990s. It lost its lead to Europe in the late 1990s as cheap oil, coal and ...

China added almost twice as much utility-scale solar and wind power capacity in 2023 than in any other year. By the first quarter of 2024, China's total utility-scale solar and wind capacity reached 758 GW, though ...

That share compares to around 62% for coal and around 12% for hydro, and so cements wind power as China's third largest source of electricity. Solar power grabbed a roughly 6% share of China's total electricity ...

The global installed wind power capacity is expected to reach 1,839.5 GW by 2030. In 2021, the top five regions in the wind power market are China, the US, Germany, India, and the UK. China is the largest wind power market, with ...

6 ???· China's installed capacity of grid-connected wind power has reached 300.15 million kilowatts, double that of 2016, and it has been tops worldwide for 12 consecutive years. This is ...

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