

The proportion of wind power in China's electricity generation

Source: <https://lesfablesdalexandra.fr/Sat-20-Oct-2018-2507.html>

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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)

How much energy does China generate a month in 2025?

China achieved a new milestone in its energy transition, with wind and solar power together generating a quarter (26%) of the country's electricity in April 2025, the highest monthly share on record, according to the latest data from global energy think tank Ember. This surpasses the previous record of 23.7% set a month earlier in March 2025.

How many kilowatts does China have?

Official data showed that China's total installed renewable power capacity reached about 1.41 billion kilowatts at the end of 2024, accounting for over 40 percent of its total electricity capacity and surpassing coal-fired power installations.

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 ...

Thermal generation still dwarfs wind and solar generation, but as Ember's co-founder Dave Jones points out, new zero emissions capacity is broadly meeting electricity demand growth, stemming further ...

Wind power accounted for 13.6% of generation while solar contributed 12.4%. The rise of solar power in particular has been remarkable. The share of solar power has tripled in the last five ...

In the first quarter of this year, electricity generated from wind and photovoltaics reached 536.4 billion kilowatt-hours, accounting for 22.5 percent of China's total power use, up 4.3 ...

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China has the largest installed capacity of any nation and continued rapid growth in new wind facilities. 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.

Among that, the installed capacity of solar power surged 35 percent to 1,200 GW, and that of wind power climbed 23 percent to 640 GW from a year earlier, making them the fastest ...

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Put another way, this means that new zero emissions electricity generation in China in the first four months of 2025 more than covered all new electricity demand growth (which was +3.8% yoy to ...

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