



# China s electricity generation wind power



## Overview

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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. China is the world leader in wind power generation, with the largest installed capacity of any nation [1] and continued rapid growth in new wind facilities. 6GW, accounting for 74%, with wind additions of 9.1GW or 17%, while thermal power only made up 7%, marking a 6% decline yo   Figure 1. During the same period, China invested RMB44 billion in thermal power capacity for the first time, and together y, and comprised a 22% share of total power. In 2024 alone, China installed 360 gigawatts (GW) of wind and solar capacity. 4 terawatts (TW) – that's roughly a third of the entire world's 4. Chinese renewable generation reached 366. (Yicai) Dec.

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### [Current Development and Prospect of China's Wind Power Industry](#)

In recent years, China has made many new breakthroughs in the development of wind power technology in the fields of high-power wind turbines, wind turbines for ultra-low wind speed, ...

### [How China adds more renewable energy than any other economy](#)

China is adding more solar and wind power to its energy grid than any other economy - but that huge buildout has its challenges. Here's what we can learn



### [China Plans to Add Over 200 Million Kilowatts of Wind and Solar Power](#)

Alongside wind and solar, the country will orderly advance major hydropower projects, actively and safely develop nuclear power, and improve the clean and efficient use of fossil fuels, ...

## Wind power in China

From steppe to power source, China's wind energy sector is revolutionizing the country's electricity supply and taking on a global leadership role. With its vast landmasses in the north



### Wind power in China

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.

### [China Widens Wind Power Lead With New Generation Record: Maguire](#)

China's wind power generation stems from several large wind installations across the country. Some areas, especially Inner Mongolia in the north and Xinjiang in the west, host some of ...



### [Wind and solar generate over a quarter of China's electricity for the](#)

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 ...



[MONTHLY CHINA ENERGY UPDATE , March 2025 Combined ...](#)

According to the Centre for Research on Energy and Clean Air China energy and emissions trends: March 2025 snapshot, in February 2025, China's power generation declined for the first time since ...



[China's installed wind power generation capacity tops world for 15](#)

China's installed wind power generation capacity has consistently ranked first in the world for an impressive 15-year streak, according to the latest data released by the China Electricity ...

[China Does In Fact Have Wind Turbines, A Lot Of Them.](#)

China's total wind generation capacity is 561 GW, which is more than three times more than the United States who comes in second behind China, and 48% of the world's share of wind ...



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