

# China's wind power generation over the years

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, ...

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 and...

Initially, most wind power was located in China's northern provinces, but in recent years new development has tended to shift towards the more populous eastern provinces.

China's installed capacity of wind and solar power has been on the rise over the past years. The country added 120 GW of wind and solar power in 2022, 290 GW in 2023, 360 GW in ...

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 became the largest wind energy provider worldwide in 2010, with the installed wind power capacity reaching 41.8 GW at the end of the year. However, about a quarter of this capacity was not ...

As of March 2025, China has emerged as the world's offshore wind powerhouse -- growing from under 5 GW in 2018 to 42.7 GW in 2025 (50% of global capacity). Offshore wind could play a role in ...

While some point to China's continued construction of flexible coal fired power plants (designed to balance VRE), they ignore that China's imported oil use in transport probably peaked in 2024, a ...

Historically, the average for China from 1980 to 2023 is 109.73 billion kilowatthours. The minimum value, 0 billion kilowatthours, was reached in 1980 while the maximum of 885.87 billion kilowatthours was ...

For historical context, wind-generated electricity in China was already hundreds of terawatt-hours annually (China produced 466.5 TWh from wind in 2021, per compiled databases), ...



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