



China s solar and wind power generation share





Overview

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. (Yicai) Jan. China's wind and solar power installed capacity totaled 1,840 GW at. rom centralised solar power stations, with the remaining 40% being distributed solar cap total new capacity, +5% y-o-y. Like with solar, China represented ~60% of global wind capacit dditions in CY2024. According to global energy think tank Ember. 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 1. The total of the two is nearly twice as much as the rest of the world combined, and enough to power all of South Korea, according. The 2025 edition of the “Global Electricity Review” report released by the international energy and environment think - tank Ember on April 8 revealed that in 2024, the global share of clean electricity surpassed 40% for the first time, reaching 40. 9%, setting a new record since the 1940s.



China's solar and wind power generation share



[China's Wind, Solar Power Installed Capacity Exceeded 1,800 GW for](#)

The country added 120 GW of wind and solar power in 2022, 290 GW in 2023, 360 GW in 2024, and 434 GW last year, of which about 119 GW of wind power and 315 GW of solar power, ...

[China breaks more records with surge in solar and wind ...](#)

Between January and May, China added 198 GW of solar and 46 GW of wind, enough to generate as much electricity as Indonesia or Turkey.



MONTHLY CHINA ENERGY UPDATE , February 2025

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 ...

GEM China wind & solar brief July 2024

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.



[Global Clean Electricity Share Surpasses 40% for First Time, China's](#)

Among them, hydropower remains the largest source of clean electricity, accounting for 14.3%, while wind and solar energy account for 8.1% and 6.9% respectively, with their combined ...

[Wind and Solar Reach 25% Share of China's Electricity Mix](#)

China reached a significant renewable energy milestone in April, with wind and solar power together generating 26% of the country's electricity, marking the first time these sources have supplied more ...



[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's Wind + Solar Capacity Tops 1.8](#)



TW-A Scale Signal the West

Highlights China's combined wind and solar installed capacity is projected to exceed 1.8 TW by the end of 2025. Renewables are expected to represent 47.3% of the total capacity, ...



China achieves new milestone in energy transition

China has set a new benchmark in its transition to renewable energy, with wind and solar power sources generating 26% of the nation's electricity in April 2025. The achievement marks ...



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