

# The Chinese solar power phenomenon



## Overview

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China's installed solar power capacity is projected to surpass coal-fired capacity for the first time this year, marking a major milestone in the country's energy transition and reinforcing its status as the world's largest renewable energy market. 3 terawatts by the end of 2026 as China expects 300 GW to come from primarily wind and solar. Whether it's investigating the financials of Elon Musk's pro-Trump PAC or producing our latest documentary, 'The A Word', which shines a light on the American women fighting for. Growing power demand in China and the sheer size of the country's market showcased what appeared to be countervailing trends — the persistence of coal, and the rise of renewables. New data from Global Energy Monitor and the Center for Research on Energy and Clean Air found that developers in China. In 2024, China added 277 gigawatts (GW) of solar power, which was equivalent to 15% of the world's total cumulative installed solar capacity. 2 TW and pushing non-fossil power sources past thermal generation for the first time. China's National Energy Administration (NEA) released its 2025 power sector statistics on Jan.

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### How China Fueled the Global Solar Energy Revolution

China's solar ambitions are emblematic of its broader race toward a green energy future, driven in part by Beijing's interest in becoming less reliant on imported oil and natural gas.

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### China Nears Historic Power Shift as Solar Overtakes Coal in 2026

China's total installed power capacity is forecast to reach about 4.3 terawatts by the end of 2026 as China expects 300 GW to come from primarily wind and solar.



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### Solar in China has become too big to fail

Solar power is the most spectacular of China's clean-energy game changers; its fruits can be seen all around the world and at every scale, from balconies in Baden Baden to seas of glass in

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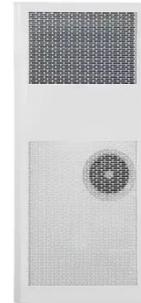
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### China Solar Capacity Overtakes Coal in Power Transition

China is on course to reach a turning point in its power sector, with solar energy capacity expected to surpass coal for the first time this year, a development widely described as a "historic" moment in the ...

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### China's solar power capacity is on course to surpass coal this year

China's solar generating capacity is expected to surpass coal for the first time this year, according to the country's top electricity industry group, marking a milestone in the country's

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### China's solar capacity set to overtake coal this year

Yet solar power capacity is forecast to overtake coal this year, according to the China Electricity Council, demonstrating China's breakneck addition of clean power: Overall, wind, solar, ...

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### Solar power in China

OverviewControversyHistorySolar resourcesSolar photovoltaicsConcentrated solar powerSolar water heatingEffects on the global solar power industry



The government subsidies for solar power energy projects have been considered "unsustainable" as the costs of subsidizing a rapidly growing industry are massive and some of China's struggles dealing with the costs have become visible. The renewable energy fund, which is paid by consumers, has a 100 billion yuan deficit while tariff payments have occasionally been paid late. Government subsidies for solar power have also been attributed to over construction, as many solar power projects have been f...

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## China's solar capacity set to overtake coal in 'historic' shift

China is set to have more solar power capacity than coal for the first time this year, marking a "historic" milestone in the country's energy transition. Data released on Monday by a



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## Solar power in China

As the demand for solar power increases due to climate change, the cheap nature of Chinese photovoltaic cells has resulted in China's solar exports growing massively in recent years in spite of ...

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## China adds 315 GW of solar in 2025 - pv magazine International

China installed a record 315 GW (AC) of new solar capacity in 2025, lifting cumulative installed PV capacity to 1.2 TW and pushing non-fossil power sources past thermal generation for the

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## H1 2025: China installs more solar than rest of the ...

Solar surged 64% in H1 2025 with 380 GW added worldwide, led by China's record pace, keeping 2025 on track for new highs.

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