



# China's magical solar power generation

How much solar power does China have in 2025?

Solar energy share tripled from 4.1% in April 2020 to 12.4% in April 2025. China's new solar capacity increased from 103GW in 2022 to 333GW in 2024. Credit: Nordic Studio/Shutterstock. 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.

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.

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China was responsible for installing a massive 256 GW of that solar capacity. For context, it took until September last year to pass the 350 GW mark. This year, the milestone was achieved in June. That pace cements solar as the fastest-growing source of new electricity generation worldwide.

Will China's solar power capacity surpass its coal-fired power capacity?

By 2025, China's solar power capacity is projected to surpass its coal-fired power capacity for the first time. This milestone is expected to be achieved two years ahead of previous forecasts, highlighting China's rapid and unprecedented transition toward renewable energy.

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BEIJING, Jan. 28 (Xinhua) -- China's solar power sector saw steady expansion in 2025, contributing significantly to the growth of the nation's overall power generation capacity, according to data ...

China has more utility-scale solar than any other country. The 277 GW of utility-scale solar capacity installed in China in 2024 alone is more than twice as much as the 121 GW of utility ...

Readers can expect to gain insights into China's solar energy landscape, including its innovative manufacturing processes, government initiatives, and the impact of solar power on the ...

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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China power statistics - April 2025 In the first four months of the year, wind and solar power generation



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capacity accounted for 89% of new capacity (see Figure 1 below). Solar continued ...

This project boasts a total installed capacity of 700 megawatts, and is expected to generate over 1.7 billion kilowatt-hours of electricity annually - making it a key component of China's ...

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growth and success in the solar photovoltaic power generation market. As the world's largest energy consumer, China's commitment to renewable energy and its pursuit of a more ...

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