

# China's solar power generation over the years

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.

How is China developing wind power & solar PV?

and GIZ analysis, March 2024 The development of wind power and solar PV in China is mainly driven by policies. The most important top-level policy documents in the field of renewable energy are the "14th Five-Year Plan for Modern Energy System" and the "14th Five-Year

Will planned solar projects lead to continued growth in China's solar capacity?

Planned solar capacity projects will likely lead to continued growth in China's solar capacity. More than 720 GW of solar capacity are in development: about 250 GW under construction, nearly 300 GW in pre-construction phases, and 177 GW of announced projects, according to the Global Solar Power Tracker compiled by Global Energy Monitor.

Does China have more solar power than other countries?

The share of solar power has tripled in the last five years, from just 4.1% in April of 2020. In 2024, China installed more new solar capacity than the rest of the world combined, more than tripling its rate of installations in just two years, from around 103 GW (DC) in 2022 to 333 GW in 2024.

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Note: NEA considers utility-scale solar to include projects of at least six megawatts of installed alternating current capacity. Utility-scale solar power capacity in China reached more than ...

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Data released by China's National Energy Administration (NEA) on January 26 showed that the country's solar power generation capacity grew by a staggering 55.2% in 2023. The numbers ...

China also leads the world in solar manufacturing, as it has for many years. In 2020, 67% of solar PV modules globally were made in China. 51 China accounts for a similarly large share of global PV cell ...

China's total installed capacity of renewable energy generation has increased by around 90 times over the past 10 years, cementing its role as a global leader in renewable energy capacity growth.

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China power generation, 2014-2025 billion kWh, cumulative output from January to April each year Source: China National Bureau of Statistics

Combined total solar and wind power capacity hit a new record at 1,407GW, exceeding China's 14th Five Year Plan for Renewable Energy Development 2030 target of 1,200GW six years ...

Africa's solar market is also stirring. The continent imported 60% more solar panels from China over the past year, though a lack of reliable installation data makes it a challenge to track the ...

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