



# China's future share of solar power generation

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

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 ...

Furthermore, the International Energy Agency (IEA) released a roadmap in 2021, forecasting that solar and wind power will contribute approximately 80 % of China's total electricity ...

Nearly half of the distributed solar added in 2023 was installed on residential rooftops, largely driven by China's "whole county solar" model. Distributed solar accounts for 41% of the total ...

So there is a lot of uncertainty in the Chinese solar industry, but there are also irrefutable facts: China needs to continue to expand domestic solar capacity to reach its climate target....

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 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 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 ...

China power statistics - April 2025 In the first four months of the year, wind and solar power generation capacity accounted for 89% of new capacity (see Figure 1 below). Solar continued to show significant ...



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China broke its own renewable energy record once again in 2024, installing 80 gigawatts (GW) of wind capacity and 277 GW of solar capacity, according to the National Energy Administration, as reported ...

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