

# Year-round China Solar Energy Site





## Overview

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How much solar power has China added in 2025?

The total solar capacity added from January to May 2025 reached nearly 198 gigawatts, marking a remarkable 388% increase from the same period in 2024, a year when China had already set a record for renewable power installations for the second consecutive year. Additionally, during this timeframe, wind energy capacity increased by 46 gigawatts.

Is China leading the world in New solar and wind installations?

Costfoto / NurPhoto via Getty Images China is leading the world in new solar and wind installations and doing so at a record-shattering pace. In May 2025 alone, the country added 93 gigawatts of solar capacity, or nearly 100 solar panels per second, and 26 gigawatts of wind capacity, or about 5,300 wind turbines.

How much solar capacity will China have in 2024?

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-scale solar capacity installed in the United States at the end of 2024. Planned solar capacity projects will likely lead to continued growth in China's solar capacity.

How big is China's solar power pipeline?

China is advancing a nearly 1.3 terawatt (TW) pipeline of utility-scale solar and wind capacity, leading the global effort in renewable energy buildout. This is in addition to China's already operating 1.4 TW of solar and wind capacity, nearly 26% of which (357 gigawatts (GW)) came online in 2024.



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### [China's solar capacity installations grew rapidly in 2024](#)

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 ...

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