

# China Solar Power Generation Data



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### [National Survey Report of PV Power Applications in China 2024](#)

IEA PVPS has released the latest National Survey Report of PV Power Applications in China 2024, prepared by Task 1 with data from the National Energy Administration (NEA) and the China

### China , Energy Trends , Ember

China contributed more than half of the global increase in both solar and wind generation. China is the world's largest electricity consumer, in 2024 accounting for a third of global power



### China's solar capacity installations grew rapidly 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

### China power statistics

Put another way, this means that new zero emissions electricity generation in China in the first four months of 2025 more than covered all new electricity demand growth (which was +3.8% yoy to



### Solar energy in China



## China solar generation

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

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## Electricity in People's Republic of China in 2025

Low-carbon sources represent just over 42% of the electricity mix, with hydropower leading clean energy generation at nearly 14%. Solar energy, inclusive of both behind-the-meter and utility-scale

## Solar power in China

The growth of solar power industries worldwide has been rapidly accelerated by the growth of the solar market in China. Chinese-produced photovoltaic cells have made the construction of new solar



## China now makes more solar power than the rest of the world

Data released by China's National Agency last week revealed that the country's solar electric power generation capacity grew by a staggering 55.2 percent in 2023. The numbers highlight

## Solar and wind power data from the Chinese State Grid

In this paper, an open dataset consisting of data collected from on-site renewable energy stations, including six wind farms and eight solar stations in China, is provided. Over two years



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