

The Summary summarises the annual statistics of China's energy and power supply and consumption in the previous year, especially the development of wind power and solar PV.

Solar power generation capacity amounted to 1.12 billion kilowatts by the end of last month, surging 48.5 percent compared to the same period last year, according to the National ...

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 ...

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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 ...

In 2020, China saw an increase in annual solar energy installations with 48.4 GW of solar energy capacity being added, accounting for 3.5% of China's energy capacity that year. 2020 is currently the ...

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

Last year was the second year that China's cumulative installed capacity of renewable energy power generation has exceeded 50 percent of the country's total installed capacity. By the ...

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 ...

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

OverviewHistorySolar resourcesSolar photovoltaicsConcentrated solar powerSolar water heatingEffects on the global solar power industryGovernment incentivesPhotovoltaic research in China began in 1958 with the development of China's first piece of monocrystalline silicon. Research continued with the development of solar cells for space satellites in 1968. The Institute of Semiconductors of the Chinese Academy of Sciences led this research for a year, stopping after batteries failed to operate. Other research institutions continued the development and research of sola...

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