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Title: China's electricity generation capacity Feng Shui Solar

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How has China's energy capacity changed in 2024?

According to China's National Energy Administration (NEA), the country's installed capacity increased by 14.6% in 2024, surpassing 3,348 GW. Solar capacity surged by a record 45.2% (+277 GW) to reach 887 GW, while wind power capacity increased by 18% (+80 GW) to reach nearly 521 GW.

How much solar power does China have in 2025?

Solar energy share tripled from 4.1% in April 2020 to 12.4% in April 2025. China's new solar capacity increased from 103GW in 2022 to 333GW in 2024. Credit: Nordic Studio/Shutterstock. China has set a new benchmark in its transition to renewable energy, with wind and solar power sources generating 26% of the nation's electricity in April 2025.

How much solar power will China have in 2026?

Over 400 GW of new generation capacity is expected in 2026. China's installed solar power capacity is set to surpass coal for the first time in 2026.

Does China have more utility-scale solar?

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-scale solar capacity installed in the United States at the end of 2024.

China has achieved a milestone in renewable energy transition, with wind and solar generating 26% of the nation's electricity in April 2025.

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 ...

Over 400 GW of new generation capacity is expected in 2026. China's installed solar power capacity is set to surpass coal for the first time in 2026. According to the 2025-2026 National Power ...

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 ...

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 ...

In CY2024, China hit a new record of annual net new capacity added to the grid at 429GW, a 21% y-o-y increase. Of this, wind and solar power combined capacity accounted for 83% ...

A strong growth in solar power is projected to drive the expansion of China's renewable energy generation capacity in 2026, even as average wind power utilization hours decrease slightly, ...

China installed electrical generating capacity, 2010-2025 million kilowatts, year-end except most recent year
Source: National Bureau of Statistics (China Statistical Yearbook) and ...

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

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