

How powerful is China's solar power generation

China's solar power capacity is on course to surpass coal this year. A sunset glow lights up wind turbines and rows of solar panels at a wind farm in Qingyang, Gansu province, China.

As of 2024, China was responsible for 64 percent of the world's utility-scale solar and wind construction, with 339 gigawatt hours of renewable energy infrastructure in the works, even ...

Utility-scale solar power capacity in China reached more than 880 gigawatts (GW) in 2024, according to China's National Energy Administration. China has more utility-scale solar than ...

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 ...

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 ...

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

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 ...

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 ...

By that point, wind and solar combined are projected to account for roughly 50% of China's total installed power capacity, while coal's share falls to about 31%, according to the China ...

China surpassed 1,000 GW of solar capacity in 2025, nearly half of the global total. Industrial policy, state-owned firms, and private innovators together fuel its leadership.

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