

Title: Solar power generation in September

Generated on: 2026-03-31 13:43:23

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How much solar power does China have in September?

China's NEA said the country added 20.89 GW of new solar capacity in September, a 27% month-on-month increase. From January to September, newly installed PV capacity totaled around 160 GW. By the end of September, China's total installed power generation capacity reached 3.16 TW, up 14.1% year-on-year.

How much solar capacity did the world add in 2025?

In the first six months of 2025, the world added 380 GW of new solar capacity -- 64% higher than during the same period in 2024, when 232 GW were installed. In 2024, it took until September for global solar capacity additions to surpass 350 GW, while in 2025, the milestone was reached in June.

When will solar power reach 350 GW?

In 2024, it took until September for global solar capacity additions to surpass 350 GW, while in 2025, the milestone was reached in June. The rapid expansion of solar capacity in recent years has made it the fastest growing source of new electricity generation.

Will solar power and wind power grow in 2027?

We expect the combined share of generation from solar power and wind power to rise from about 18% in 2025 to about 21% in 2027. In our STEO forecast, utility-scale solar is the fastest-growing source of electricity generation in the United States, increasing from 290 BkWh in 2025 to 424 BkWh by 2027.

Electricity generation from solar, measured in terawatt-hours.

World installed 380 GW of new solar capacity in first six months of 2025 Global solar installations are on track for another record year. In the first six months of 2025, the world added 380 ...

The country's total power generation reached nearly 745.6 billion kilowatt-hours in September, according to the National Bureau of Statistics (NBS).

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Renewables accounted for 88.5% of all new US power generating capacity to September 2025, while natural



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gas added just 11.2%, reports FERC.

China's National Energy Administration (NEA) says solar installations reached 160 GW between January and September 2024, with cumulative capacity hitting 770 GW by August.

US added 2 GW of solar in September, putting 2025 ahead of 2024 for new solar generation Solar accounted for three-quarters of new generation installed so far this year, followed ...

Since solar PV and onshore wind are the cheapest technology options to add new power generation in China, facilities were receiving 15- to 20-year contracts at provincial coal benchmark ...

Rooftop solar installations dominated these historic moments, contributing over 43% of total grid demand during the peak renewable energy period, while utility-scale solar added 12.1% and ...

Solar electrical generation set new records in September and the first three-quarters of 2025: EIA's latest monthly "Electric Power Monthly" report (with data through September 30, 2025), ...

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