

# **China installs solar energy on-site outdoors**





## Overview

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How much solar power did China add in 2025?

China added 60 gigawatts (GW) of new solar power capacity in the first three months of 2025. This was China's largest- ever first-quarter addition. Rooftop solar systems contributed around 36 GW, which is 60% of the total capacity added.

How much solar power did China install in the first quarter?

For more information, visit [China installed a record 60 gigawatts \(GW\) of new solar photovoltaic \(PV\) capacity in the first quarter of 2025 - the highest ever recorded in a first quarter in the country's history, according to Rystad Energy research and analysis.](#)

Will China set a new record for solar power installations in 2024?

China is on track to set a new record for solar power installations in 2024, driven by falling production costs and increased global interest in renewable energy, said industry experts and company executives.

How many solar panels are installed in China?

A recent report by Rystad energy shows that most rooftop systems are being installed for commercial and industrial (C&I) use. The total installed capacity of distributed solar in China is expected to reach 130 GW by the end of the year. This will include about 92 GW from C&I projects and 38 GW from residential users.



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China's solar capacity installations grew rapidly in 2024

Apr 22, 2025 · 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 ...

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How China adds more renewable energy than any other ...

Dec 3, 2025 · China's approach to renewable energy buildout combines large-scale investment, technological innovation and market reform. China is installing more renewables than any ...

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Boom in China's Solar power in Early 2025, Rooftops Lead ...

May 20, 2025 · China added 60 gigawatts (GW) of new solar power capacity in the first three months of 2025. This was China's largest- ever first-quarter addition. Rooftop solar systems ...

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"Just staggering:" China installs 100 solar ...

Jun 25, 2025 · China's cumulative solar capacity surpasses one terawatt after the addition of a "staggering" 93 GW of new PV capacity in May alone.

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China installs record 36 GW of rooftop solar in Q1 as new ...

May 20, 2025 · China installed a record 60 GW of new PV capacity in the first quarter of 2025, driven by a surge in rooftop deployment ahead of updated grid-access rules, says Rystad ...

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China installs jaw-dropping 93 GW of new solar capacity in ...

Jun 24, 2025 · Per data released by the energy regulator (NEA) on Monday, China added 197.9 GW of new solar capacity between January-May, a staggering 150% y/y increase.

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H1 2025: China installs more solar than rest of the world ...

Sep 3, 2025 · Solar surged 64% in H1 2025 with 380 GW added worldwide, led by China's record pace, keeping 2025 on track for new highs.

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Solar power installations hit new highs

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China Installs Record Solar Capacity, Accelerating Global Clean Power

Oct 7, 2025 · Briefing China installed an unprecedented 277.17 gigawatts of new solar power

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in 2024, setting a new global record for annual capacity additions. This massive deployment ...

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#### Boom in China's Solar power in Early 2025, ...

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#### China's rooftop solar installations hit record 36 GW in 1Q25 ...

May 18, 2025 · China installed a record 60 gigawatts (GW) of new solar photovoltaic (PV) capacity in the first quarter of 2025 - the highest ever recorded in a first quarter in the country's history, ...

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#### "Just staggering:" China installs 100 solar panels a second as ...

Jun 25, 2025 · China's cumulative solar capacity surpasses one terawatt after the addition of a "staggering" 93 GW of new PV capacity in May alone.

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#### China installs record 36 GW of rooftop solar ...

May 20, 2025 · China installed a record 60 GW of new PV capacity in the first quarter of 2025, driven by a surge in rooftop deployment ahead of ...

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