

GW of solar capacity





Overview

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.

How many GW of solar power does China have?

China added 357.3 GW—nearly 60 percent of the global total—surpassing 1 TW of cumulative capacity and accounting for nearly half the world's installed PV capacity by year-end. The rest of the world added 244.6 GW, bringing total non-China capacity to 1,198 GW. Europe, the United States and Brazil saw steady growth, the report said.

How much solar capacity will China have in 2024?

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. Planned solar capacity projects will likely lead to continued growth in China's solar capacity.

How much solar power will the world have by 2026?

Additional figures from GlobalData, shared with pv magazine, projected the world's cumulative solar capacity will reach 2,378 GW by year-end and rise to 2,849 GW by the end of 2026. Longer-term predictions from the company show global solar capacity exceeding 4.8 TW by the end of 2030, nearing 6 TW by the end of 2032 and surpassing 7 TW by 2034.



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Global solar capacity to surpass 7.5 TW in ...

Jun 3, 2025 · UK consultancy GlobalData projected, in figures shared with pv magazine, that global renewable capacity could hit 11.2 TW by 2035, led ...

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

Sep 3, 2025 · Global solar installations are breaking records again in 2025. In H1 2025, the world added 380 gigawatts (GW) of new solar capacity - a staggering 64% jump compared to the ...

Global solar capacity to surpass 7.5 TW in 2035, says ...

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Global solar installations surge 64% in first half of 2025

Sep 2, 2025 · 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 ...

Installed solar energy capacity

Jul 18, 2025 · Total solar (on- and off-grid) electricity installed capacity, measured in gigawatts. This includes solar photovoltaic and concentrated solar power.

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IEA forecasts over 4,000GW of global photovoltaic (PV) capacity ...

Mar 25, 2025 · Recently, the International Energy Agency (IEA) predicted that global photovoltaic solar power capacity additions will exceed 4,000 GW by 2030. In its flagship report ...

Renewable Capacity Highlights 2025

Renewable power capacity growth (GW) Renewable power capacity increased by 585 GW (+15.1%) in 2024. Over three-quarters of the capacity expansion was due to solar energy ...

IEA forecasts over 4,000GW of global ...

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2024: Global Solar Capacity Tops 2.2 TW, ...

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New report: World installed 600 GW of solar in 2024, could ...

May 6, 2025 · After the world crossed the milestone of 2 terawatts (TW) total solar in late 2024, the annual report predicts the world could be installing 1 TW of solar per year by the end of the ...

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