



Gigawatt Solar by 2025

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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.

What happened to solar power in 2025?

The IEA-PVPS 2025 Snapshot of Global PV Markets reveals a pivotal moment for solar power: global PV capacity surpassed 2.2 TW, with more than 600 GW installed in 2024 alone. As module prices fell due to oversupply, installation volumes continued to grow, highlighting both the strength and volatility of the global PV industry.

Will renewable power capacity increase in 2025?

Globally, renewable power capacity is projected to increase almost 4 600 GW between 2025 and 2030 - double the deployment of the previous five years (2019-2024). Growth in utility-scale and distributed solar PV more than doubles, representing nearly 80% of worldwide renewable electricity capacity expansion.

How many GW of electric power will be added in 2025?

We expect 63 gigawatts (GW) of new utility-scale electric-generating capacity to be added to the U.S. power grid in 2025 in our latest Preliminary Monthly Electric Generator Inventory report. This amount represents an almost 30% increase from 2024 when 48.6 GW of capacity was installed, the largest capacity installation in a single year since 2002.

IEA PVPS has released its latest Trends in Photovoltaic Applications 2025 report, revealing that the world's cumulative installed PV capacity surpassed 2 260 GW by the end of 2024, marking a 29% ...

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Although the number of countries with annual gigawatt-scale solar markets has increased to 35, this is fewer than anticipated. We do expect this to change in the near future; our report provides a detailed ...

In the first half of 2025, the country installed more than twice as much solar capacity as the rest of the world



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combined, accounting for 67% of global additions.

Global solar installations are set to achieve another "record" year, with 380GW of new solar capacity added worldwide in the first six months of 2025, according to a report by energy think ...

Newsletter The International Renewable Energy Agency (IRENA) produces comprehensive, reliable datasets on renewable energy capacity and use worldwide. Renewable energy statistics 2025 ...

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Even as the U.S. guts support for renewable power, the world is still pushing ahead on the shift to solar energy, with installations up 64 percent in the first half of this year. Solar is the fastest-growing source ...

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 GW of new solar ...

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