
Gigawatt Solar by 2025

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.

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.

Will 2025 be a good year for solar power?

With deployment surging across key markets and China's rapid scale-up pushing global installations to new highs, 2025 is on track to become another historic year for solar power. The numbers highlight not only solar's momentum, but also its pivotal role in reshaping the global energy system.

Are global solar installations breaking records again in 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 same period in 2024, when 232 GW came online. China was responsible for installing a massive 256 GW of that solar capacity.

Global solar capacity has surpassed 2.2 TW, led by record 2024 installations. Explore the growth, challenges, and future of solar in the 2025 IEA-PVPS outlook.

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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 ...

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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 ...

In the first half of 2025, the country installed more than twice as much solar capacity as the rest of the world combined, accounting for 67% of global additions.

BloombergNEF says global solar installations could reach 700 GW in 2025, with additions rising to 753 GW in 2026 and 780 GW in 2027.

Global solar PV growth is expected to slow to 10% in 2025, reaching 655 GW, as recent rapid expansion is held back by economic challenges, geopolitical shifts and grid ...

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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; ...

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