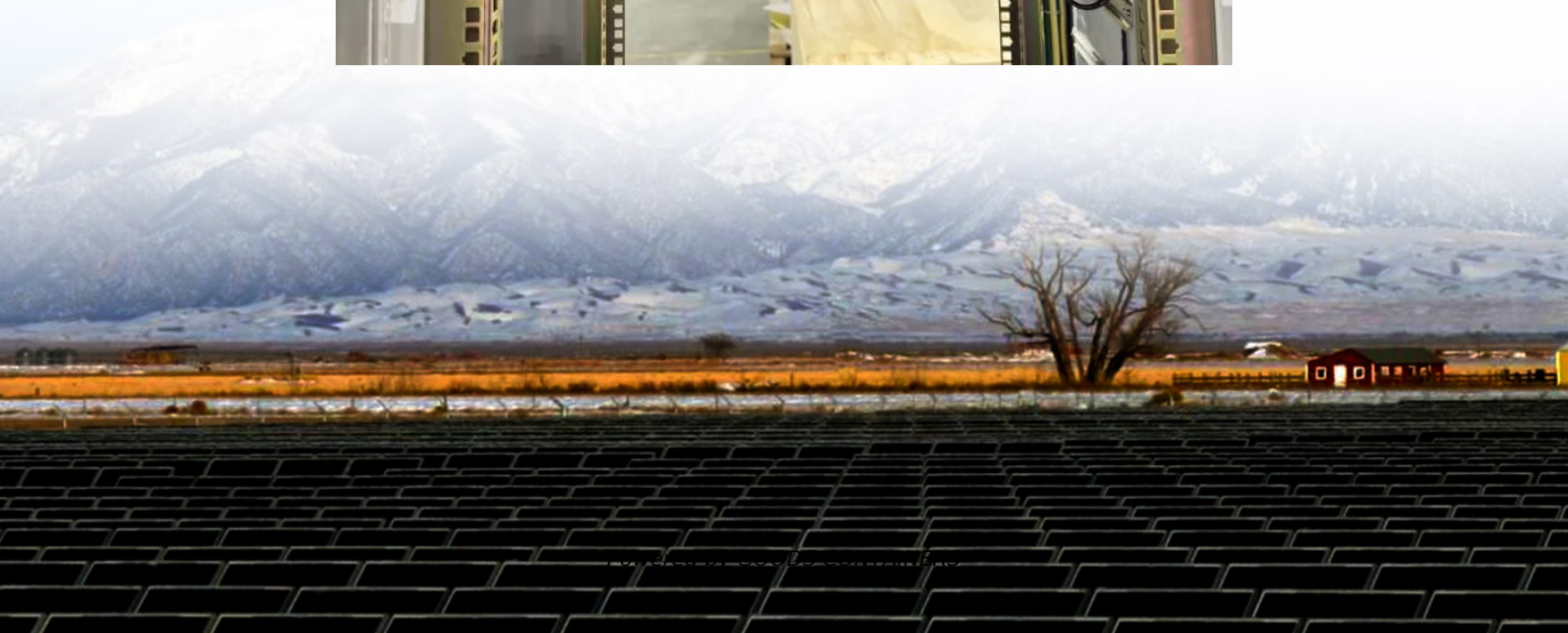


Solar panel power generation rate in 2025





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.

Will solar power increase in 2025?

The global solar photovoltaic capacity is expected to increase by 698 GW in 2025 compared to the 2024 figure of 599 GW. In 2025, the solar photovoltaic capacity has reached 2,000 GW. It took 68 years to reach 1,000 GW between 1954 and 2022, but only two years to reach an additional 1,000 GW.

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.

Which country has the most solar power in 2025?

China remains the global leader of this surge. In the first half of 2025, its installations more than doubled compared with the same period last year. As a result, China added more than twice as much solar capacity as the rest of the world combined, making up 67% of the global total.



Solar panel power generation rate in 2025



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