

The largest new solar energy generation capacity

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 did the US install in 2024?

WASHINGTON, D.C. -- The United States installed a record-breaking 50 gigawatts (GW) of new solar capacity in 2024, the largest single year of new capacity added to the grid by any energy technology in over two decades.

Which countries have added more solar power in 2022?

Asia has more than doubled its installed solar power since 2022, with 247.9 GW added in 2023 and 327.1 GW added in 2024. However, the largest capacity increases occurred in China (+278.0 GW) and India (+24.5 GW). South Korea followed, delivering a significant increase compared to previous years with 3.1 GW of added solar capacity.

Which states will add more solar capacity in 2025?

Texas (11.6 GW) and California (2.9 GW) will account for almost half of the new utility-scale solar capacity addition in 2025. We expect five other states (Indiana, Arizona, Michigan, Florida, and New York) each to account for more than 1 GW of added solar capacity in 2025 and collectively account for 7.8 GW of planned solar capacity additions.

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 ...

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 ...

Cumulative installed solar capacity, measured in gigawatts (GW).

Discover the world's largest solar farms in 2025. Complete rankings, capacity data, locations, and analysis of mega solar projects transforming global energy.

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 ...

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The expansion of renewable capacity in 2024 was dominated by solar and wind energy, which together

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accounted for 96.6% of all net renewable additions. 2024 saw the largest annual ...

The world added 553GW of new solar capacity in 2024, although renewable power accounts for a fraction of the world's electricity generation.

Solar and wind energy continued to dominate renewable capacity expansion, jointly accounting for 96.6% of all net renewable additions in 2024. And 2024 marks the highest annual increase in ...

Solar has become the largest renewable source of installed power capacity in the United States, surpassing wind after 27 consecutive months as the leading source of new grid additions, ...

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