

Solar power generation record for the whole year

Are global solar installations on track for another record year?

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 capacity -- 64% higher than during the same period in 2024, when 232 GW were installed.

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.

When will solar power reach 350 GW?

In 2024, it took until September for global solar capacity additions to surpass 350 GW, while in 2025, the milestone was reached in June. The rapid expansion of solar capacity in recent years has made it the fastest growing source of new electricity generation.

Is solar power the fastest growing power generation technology?

Solar experienced the fastest growth among all power generation technologies in terms of electricity output, three times as much as wind power, which was ranked second. As if that weren't enough, global installed solar capacity surpassed 2 TW in 2024. It took nearly 70 years to reach the first terawatt, but only two more to double it.

Total global solar power generation (TWh) including the 2022 market share by country and an illustrative map.

The year 2024 was a true landmark year for solar power. Global solar installations reached nearly 600 GW - an impressive 33% increase over the previous year - setting yet another ...

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 ...

The expansion of renewable capacity in 2024 was dominated by solar and wind energy, which together accounted for 96.6% of all net renewable additions. 2024 saw the largest annual ...

Globally, 347 gigawatts (GW) of photovoltaic (PV) capacity were added to power generation in 2023, which has made it a record-breaking year for solar power generation, revealed a ...

The report "Renewables 2025 Global Status Report" by REN21 highlights that in 2024, global renewable power capacity increased 18%, adding a record-breaking 741 GW. Solar PV was ...

Find up-to-date statistics and facts on the global solar photovoltaic industry.

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Solar power generation, 2025 Electricity generation from solar, measured in terawatt-hours.

Worldwide solar and wind power generation has outpaced electricity demand this year, and for the first time on record, renewable energies combined generated more power than coal, ...

The world generated 2,109.76TWh of electricity from solar in the first nine months of the year, a 31% increase over the same period in 2025.

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