

Gigawatt Solar by 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.

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.

How many GW of solar power will be installed in 2024?

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. Together, solar and battery storage account for 81% of the expected total capacity additions, with solar making up over 50% of the increase. Solar.

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.



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Global solar installations surge 64% in first half of 2025

Sep 2, 2025 · 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 ...

Renewable electricity - Renewables 2025 - ...

2 days ago · Globally, renewable power capacity is projected to increase almost 4 600 GW

between 2025 and 2030 - double the deployment of ...

Solar Market Insight Report Q2 2025

Jun 9, 2025 · The community solar segment installed 244 MWdc in Q1 2025, declining 22%

year-over-year and 71% quarter-overquarter. Installations in Maine and New York fueled strong ...

H1 2025: China installs more solar than rest of the world ...

Sep 3, 2025 · 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.

Solar power surges globally with 380GW installed in H1 2025

Sep 3, 2025 · 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 ...

Global solar additions could reach 655 GW in 2025 as ...

May 6, 2025 · 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 ...

Renewable electricity - Renewables 2025 - Analysis

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between 2025 and 2030 - double the deployment of the previous five years (2019-2024). ...

Global Market Outlook for Solar Power 2025-2029

May 6, 2025 · 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; ...

Global Solar Installations Up 64 Percent So ...

Sep 3, 2025 · 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 ...

Solar, battery storage to lead new U.S. generating capacity ...

Feb 24, 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 ...



H1 2025: China installs more solar than rest of ...

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Solar Market Insight Report Q2 2025

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Solar power surges globally with 380GW ...

Sep 3, 2025 · Global solar installations are set to achieve another "record" year, with 380GW of new solar capacity added worldwide in the first six ...

BloombergNEF expects up to 700 GW of new solar in 2025

Mar 13, 2025 · 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 Installations Up 64 Percent So Far This Year

Sep 3, 2025 · 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 ...

Global solar additions could reach 655 GW in ...

May 6, 2025 · Global solar PV growth is expected to slow to 10% in 2025, reaching 655 GW, as recent rapid expansion is held back by economic ...

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