Global Solar Power Generation by 2025

The main finding of the IEA"s report is that global renewable power capacity is on course to double by 2030, adding 4,600 GW. The agency notes that this is roughly equivalent to adding the ...

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 ...

Explore the top solar power countries in 2025, including China, the U.S., India, Japan, and Germany, plus emerging leaders like Brazil and Australia, driving the global shift to sustainable ...

In the coming decade, solar PV is expected to continue being the largest contributor to global renewable energy installations, reaching a cumulative capacity of more than seven terawatts by...

Solar PV accounts for almost 80% of the global increase, followed by wind, hydropower, bioenergy and geothermal. In more than 80% of countries worldwide, renewable power capacity is set to grow faster ...

EIA projects that PV"s growth in 2023 (27 GWac) and 2024 (36 GWac) will continue in 2025 (39 GWac) and remain at similar levels in 2026 (36 GWac). In 2024, 24 states and territories ...

"Record solar power growth and stagnating fossil fuels in 2025 show how clean power has become the driving force in the power sector," said Nicolas Fulghum, a senior data analyst at ...

Solar generation has reached 2,129 Terawatt-hours (Twh) in 11 years since taking off, and it has driven 8% of global power generation over the 12 months leading to July 2025.

Despite these headwinds, the global solar PV market is still expected to grow by 10% in 2025, reaching 655 GW under the Medium Scenario (see Fig. 4). This would mark a continuation of ...

The International Energy Agency (IEA) said global solar capacity additions are projected to average 540 GW a year through 2035, as outlined in its World Energy Outlook 2025 report.

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