



Global Solar Power Generation by 2025

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The IEA-PVPS 2025 Snapshot of Global PV Markets reveals a pivotal moment for solar power: global PV capacity surpassed 2.2 TW, with more than ...

Record renewables growth led by solar helped push clean power past 40% of global electricity in 2024, but heatwave-related demand spikes led to a small increase in fossil generation.

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 ...

The global clean power pipeline surged in 2025. Announced and in-progress wind and utility-scale solar projects expanded by 11%, increasing from 4.4 terawatts (TW) to almost 5 TW worldwide.

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 ...

Growth in utility-scale and distributed solar PV more than doubles, representing nearly 80% of worldwide renewable electricity capacity expansion. Low module costs, relatively efficient permitting processes ...

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 ...

Renewable energy statistics 2025 provides datasets on power-generation capacity for 2015-2024, actual power generation for 2015-2023 and renewable energy balances for over 150 countries and areas for ...

Solar and wind are growing fast enough to meet all new electricity demand worldwide for the first three quarters of 2025, according to new data ...

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