

Gigawatt Solar Development Outlook





Overview

What is the global market outlook for solar power 2025–2029?

The Global Market Outlook for Solar Power 2025–2029 paints a compelling picture of solar's trajectory as the cornerstone of the global energy transition. With nearly 600 GW installed in a single year, solar has entered a new era, one defined not by niche adoption or subsidy dependence, but by scale, competitiveness, and necessity.

What is the IEA-PVPS outlook for solar in 2025?

Explore the growth, challenges, and future of solar in the 2025 IEA-PVPS outlook. The latest Snapshot of Global PV Markets 2025 by IEA-PVPS marks a historic milestone in the solar energy sector: global photovoltaic (PV) capacity has crossed 2.2 terawatts (TW), with over 600 gigawatts (GW) deployed in 2024 alone.

Will the global solar PV market grow in 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 deceleration trend following the extraordinary 85% growth in 2023 and the more moderate 33% in 2024.

How much solar power will the world install in 2024?

BloombergNEF reports that the world installed nearly 600 gigawatts of solar power in 2024, closely aligning with projections that annual global solar installations will surpass 1 terawatt within the next few years. Although projections for 2025 currently fall short of that pace, early forecasts often underestimate actual deployment.



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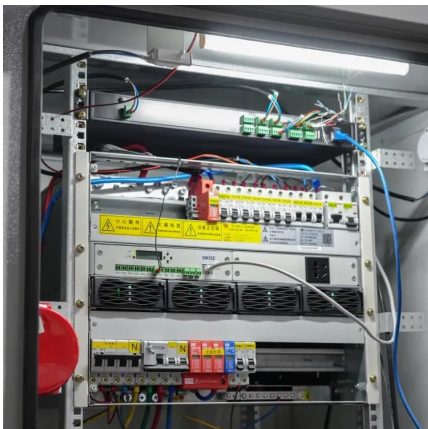
[Global Solar Outlook 2025-2029: SolarPower Europe](#)

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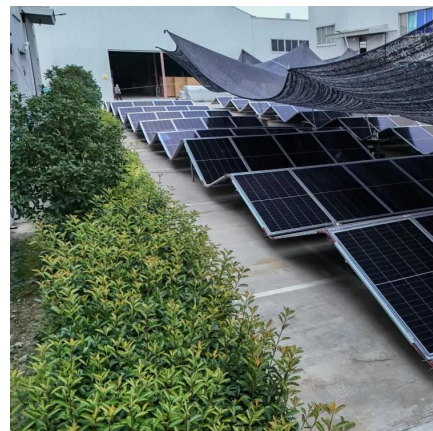


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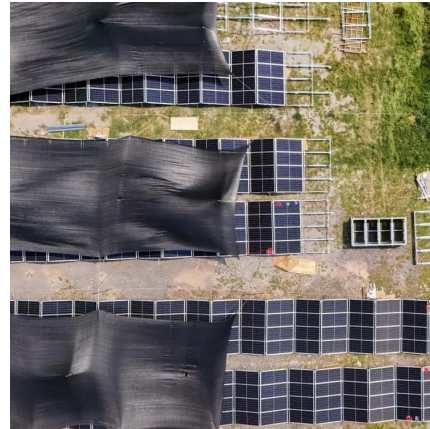
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