

# Solar Photovoltaic Panel Industry Market Status

By Grid Type, On Grid hold the largest market share of 84.0% in 2025 owing to the increasing energy demand & grid capacity needs. By Technology, Thin Film expected to hold the ...

North America dominated the solar power industry with a market share of 41.30% in 2023.

This report provides a detailed analysis of the current global solar PV panel market trends and future estimations from 2021 to 2030, which helps identify the prevailing solar PV panel market opportunities.

Each quarter, the National Renewable Energy Laboratory conducts the Quarterly Solar Industry Update, a presentation of technical trends within the solar industry.

By technology, monocrystalline silicon captured 86.1% of the 2025 solar panels market share, whereas tandem and perovskite architectures are poised to grow at a 31.1% CAGR to 2031.

Solar Photovoltaic market was valued at USD 323.5 billion in 2025. The market is expected to grow from USD 345 billion in 2026 to USD 694.5 billion by 2035, at a CAGR of 8.1% from 2026 to 2035. ...

Asia Pacific held the largest market share of over 54.0% in 2023. Based on technology, the thin-film segment occupied a dominant market share of over 42.81% in 2023. In terms of grid type, the on-grid ...

**WORLDMETRICS REPORT 2026 Pv Industry Statistics** Solar power is rapidly expanding worldwide thanks to significant technological and manufacturing advances.

Photovoltaic (PV) solar accounted for 58% of all new electricity-generating capacity additions through the third quarter of 2025, remaining the dominant form of new electricity-generating ...

o In 2024, between 554 GW. dc. and 602 GW. dc. of PV were added globally, bringing the cumulative installed capacity to 2.2 TW. dc. o China continued to dominate the global market, ...

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