Latest analysis of the status of photovoltaic panels

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 ...

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

This paper provides an overview of the current status of photovoltaics and discusses future directions for photovoltaics from the view-points of high-efficiency, low-cost, reliability, and ...

In the months following the passage of the One Big Beautiful Bill Act (OBBBA), the solar industry has been adapting to new and not fully settled policy. Several uncertainties still hang over ...

The IEA PVPS Trends in Photovoltaic Applications 2025 report provides comprehensive data and analysis on global PV deployment, technology, and market evolution from 1992 to 2024.

o Utility-scale solar (including PV and CSP technologies) and C& I PV electricity production dropped by 46% from its summer peak (July 2024) to its winter low (December 2024), ...

After several years of 30 percent annual growth in installations, 2024 saw a decline: fewer panels were installed in many markets, and companies" valuations declined. This led to large capital ...

In the third quarter of 2025, solar projects representing about 20% of planned capacity reported a delay, a decrease from 25% in the same period in 2024, based on data compiled from ...

Solar accounted for 81% of all new renewable energy capacity added worldwide. While remaining a modest contributor to overall electricity generation for now, solar"s share rose to 7% in ...

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Photovoltaic (PV) technology has become a cornerstone in the global transition to renewable energy. This review provides a comprehensive analysis of recent advancements in PV ...

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