

Current Status of Solar Power Generation Civilian Market



Overview

Federal permitting actions remain unclear and Treasury guidance on Foreign Entity of Concern (FEOC) requirements is still months away. From 2025-2030, our base case outlook puts total solar deployments at 246 GWdc - virtually unchanged from our Q3 2025 outlook.

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[Renewable electricity - Renewables 2025 - Analysis](#)

Since solar PV and onshore wind are the cheapest technology options to add new power generation in China, facilities were receiving 15- to 20-year contracts at

[Clean Energy Powers America , ACP Annual Market](#)

Clean power accounted for 93% of all new electricity capacity added to the grid last year. In a notable market development, 2024 marked the first time utility-scale



Spring 2025 Solar Industry Update

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

Trends in PV Applications 2025

The IEA PVPS Trends in Photovoltaic Applications 2025 report provides comprehensive data and analysis on global PV deployment, technology, and



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[U.S. Solar Market: 4 Powerful Trends From 2025](#)

The solar market and industry continued to demonstrate resilience and record-setting performance throughout 2025, even as policy uncertainty,



Solar Market Insight Report Q4 2025

Despite the changing market and policy conditions that the solar industry has faced this year, solar will remain the dominant power source added to the grid in the next five years.

Solar PV

Find up-to-date statistics and facts on the global solar photovoltaic industry.



Quarterly Solar Industry Update

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

[Solar Power Market Size, Share, Trends, Growth Report](#)

The Solar Power market in the U.S. is projected to grow significantly, reaching an estimated value of USD 103.96 billion by 2032, driven by the need to combat climate change through



[U.S. Utility-Scale Solar, 2025 Data Update](#)

Lawrence Berkeley National Laboratory compiled and synthesized empirical data on the U.S. utility-scale solar sector.

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