

# **Outlook for solar industry**





## Overview

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The US solar industry installed 10.8 gigawatts direct current (GWdc) of capacity in Q1 2025, a 7% decline from Q1 2024 and a 43% decrease compared with Q4 2024 but still the fourth largest quarter on record. Solar accounted for 69% of all new electricity-generating capacity added to the US grid in.

Analyst projections suggest about 460 GWdc of PV were installed globally in 2024, up 14% from 2023—China, alone, installed more than 270 GWdc. More than 500 GWdc of PV are expected to be installed in 2025. At the end of 2024, China and the U.S. had collectively installed more than 1 TWdc of PV. In.

Global Market Outlook for Solar Power 2025–2029 provides an in-depth forecast and analysis of the global solar power sector, with a special focus on India's rapid growth and emerging role as the world's third-largest solar market. The Global Market Outlook for Solar Power 2025–2029 is SolarPower.

Each quarter, the National Renewable Energy Laboratory conducts the Quarterly Solar Industry Update, a presentation of technical trends within the solar industry. Each presentation focuses on global and U.S. supply and demand, module and system price, investment trends and business models, and.

Policymakers in some of the world's largest economies are reducing support for solar power generation. Even so, Goldman Sachs Research expects rapid growth in the sector, with global solar installations set to rise to 914 Gigawatts



(Gw) in 2030, 57% above 2024 levels. Compared to other sources of.

Renewables were already buoyed by record public and private investment in, and demand for, clean energy that set the stage for continued growth in 2024. 1 Utility-scale solar and wind capacity additions were the largest across all primary generation sources, accounting for close to 90% of all new. What is the global market outlook for solar power 2025–2029?

The Global Market Outlook for Solar Power 2025–2029 is SolarPower Europe's flagship annual publication, delivering the most authoritative analysis of solar market trends worldwide. The 2025 edition reports a record 597 GW of solar capacity installed in 2024, bringing total global capacity to 2.2 TW.

How will the solar industry grow in 2027?

The segment will eventually recover and grow at an average annual rate of 12% from 2027 to 2030, driven by increasing electricity rates and growth from emerging state markets in the Midwest and Southeast. Commercial solar installations and forecast, 2020-2030 3.3. Community solar PV.

What is the 2025 solar industry survey?

Representational image. Credit: Canva The 2025 Solar Industry Survey, conducted by SolarReviews in December 2024, provides a comprehensive snapshot of the U.S. solar industry as it navigates economic and political uncertainties while maintaining an optimistic outlook for the future.

What is a 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.

How does the US solar industry affect project economics?

Notably, despite the US solar industry's reliance on domestically produced steel, market forces triggered an immediate increase in the domestic steel index. This unexpected rise has increased the production costs of tracker manufacturers, potentially affecting project economics. Additionally, US module manufacturers face increased frame costs.

How will trade affect the US solar industry?



The US solar industry faces a complex and evolving trade landscape that will significantly impact development over the next five years. The flurry of recent trade actions, both industry-specific and non-industry-specific, is reshaping the economics of solar projects and supply chains.



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### [Global Market Outlook for Solar 2024-2028](#)

Global Market Outlook for Solar 2024-2028 Built on comprehensive historical market data to measure past progress, including a solid 5-year forecast for the key global markets to anticipate future trends as well as a chapter on ...

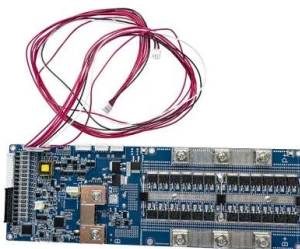
### [2025 Renewable Energy Industry Outlook](#)

Deloitte's Renewable Energy Industry Outlook draws on insights from our 2024 power and utilities survey, along with analysis of industrial policy, tech capital, new technologies, workforce development, and carbon ...



### [We expect solar will supply almost all growth in ...](#)

We expect solar electric generation will be the leading source of growth in the U.S. electric power sector. In our January Short-Term Energy Outlook (STEO), which contains new forecast data through December ...



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