

# The current market situation of solar power generation



## Overview

---

The Solar Power market in the U. 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 renewable energy sources reinforced by government tax credit and feed-in-tariff programs. 7 gigawatts direct current (GWdc) of capacity in Q3 2025, a 20% increase from Q3 2024, a 49% increase from Q2 2025, and the third largest quarter for deployment in the industry's history. Drivers : Declining Technology Costs and Improved Efficiency Driving Market Expansion The primary driver of global solar power . In 2024, between 554 GWdc and 602 GWdc of PV were added globally, bringing the cumulative installed capacity to 2. As of September 2025, deployment numbers are soaring to new highs, yet industry players also face challenges like policy uncertainty, financing hurdles, and supply . Key updates from the Fall 2024 Quarterly Solar Industry Update The International Renewable Energy Agency (IRENA) reports that, between 2010 and 2023, the global weighted average levelized cost of energy of concentrating solar power (CSP) fell from \$0.39/kilowatt-hours (kWh) to under \$0.

## The current market situation of solar power generation

---



### Quarterly Solar Industry Update

Each presentation focuses on global and U.S. supply and demand, module and system price, investment trends and business models, and updates on U.S. government programs

### Spring 2025 Solar Industry Update

China continued to dominate the global market, representing ~60% of 2024 installs, up 52% y/y. The rest of the world was up 11% y/y. The IEA reported Pakistan's rapid rise to fourth place



### The Outlook for Global Solar Energy Continues to Be Bright

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 Energy Market Size, Forecast, Share & Report Analysis 2031](#)

This Solar Energy market size expansion is anchored in utility-scale photovoltaic projects that now match or beat wholesale power prices across most sunny regions, while U.S. tax credits



### U.S. Solar Market Trends 2025 - Record Growth & Risks

In this analysis, we examine the latest trends in



## Global Market Outlook for Solar Power 2025-2029

With China implementing major changes to its solar market design this year, a temporary dip in global growth in 2026 appears very likely. Meanwhile, other regions are falling behind,



## 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.



## Global solar energy outlook

installations, costs, and market dynamics, providing solar businesses, developers, and investors with a comprehensive picture of



## [Solar Power Market Growth Forecast & Market Dynamics \[2024-2034\]](#)

Asia Pacific represents the fastest-growing solar power market with a CAGR of 11.2%, accounting for 52.4% of global market share in 2024. China dominates regional and global markets with over 261



## Solar Power Market Size, Share, Trends , Growth Report [2032]

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

Discover all statistics and data on Global solar energy outlook now on statista !



## Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://www.bartstudio.biz>