

Global solar power generation industry scale



Overview

The global solar power market size was valued at USD 253.69 billion in 2023 and is projected to be worth USD 273 billion in 2024 and reach USD 436.

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Snapshot of Global PV Markets

Germany and Japan will both pass the 100 GW mark in 2025. Global markets have seen sustained double-digit growth over the past five years; whilst 2024 "only" saw about 32% growth compared to

[Solar Energy: Global Capacity and Growth Trends](#)

Solar energy is the fastest-growing electricity source globally. Explore installed capacity, cost trends, top countries, technology types, and future projections.



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

Our study defines the global solar energy market as all grid-tied and certified off-grid photovoltaic (PV) and concentrated solar power (CSP) plants whose cumulative installed capacity is

Solar PV

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



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,

Solar Market Insight Report - SEIA

US Solar Market Insight is a quarterly publication of Wood Mackenzie and the Solar Energy Industries Association (SEIA).



[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,

[Executive summary - Renewables 2025 - Analysis](#)

Solar PV accounts for almost 80% of the global increase, followed by wind, hydropower, bioenergy and geothermal. In more than 80% of countries worldwide, renewable power capacity is set to grow faster



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

The global solar power market is projected to grow from \$253.69 billion in 2023 to \$436.36 billion by 2032, at a CAGR of 6% in the forecast period

Global Solar Power Tracker

The Global Solar Power Tracker is composed of worldwide facility-level data on utility-scale (1 MW+) solar photovoltaic (PV) and solar thermal facilities, as well as country-aggregated distributed (<1



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