

# Ranking of foreign photovoltaic panel production countries



## Overview

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The top five countries are China, United States, India, Japan, and Germany, based on solar power generation and installed capacity. In the latest consolidated data, global PV module production reached 726 GW and manufacturing capacity reached 1,405 GW/year . By the end of 2023, photovoltaic solar arrays provided an estimated 6. 5% to 7% of the world's electricity, marking a continued rise in its contribution to global energy generation. According to the 2022 edition of the annual report published by SolarPower Europe, "global solar capacity doubled in 3 . Will new PV manufacturing policies in the United States, India and the European Union create global PV supply diversification?

Manufacturing capacity and production in 2027 is an expected value based on announced policies and projects. APAC = Asia-Pacific region excluding India and China. Solar power plants use one of two technologies: Photovoltaic (PV) systems use solar panels, either on rooftops or in . China's Manufacturing Monopoly Creates Global Vulnerabilities: With 80-85% of global solar panel production concentrated in China, the industry faces significant supply chain risks from geopolitical tensions, natural disasters, and trade disruptions. terawatt hours of solar energy in 2024. India and Japan round out .

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### Solar Panel Manufacturing By Countries

I've spent years researching and analysing the solar industry, and one question that often crops up is: which country manufactures the best solar panels? In this article, I'll explore the top contenders and

### Solar power by country

The worldwide growth of photovoltaics is extremely dynamic and varies strongly by country. In April 2022, the total global solar power capacity reached 1 TW, increasing to 2 TW in 2024. The top



### [Top Solar Power Countries in 2025: Leading the Global Renewable](#)

Explore the top solar power countries in 2025, including China, the U.S., India, Japan, and Germany, plus emerging leaders like Brazil and Australia, driving the global shift to sustainable

### Where are solar panels made? [Top 9 countries, 2026]

In this article, we'll go through the nine countries that produce the most solar panels, with data sourced from Statista. Curious about the savings you could get from a solar & battery system?





## [Where Are Solar Panels Made? Complete 2025 Global Manufacturing](#)

Discover where solar panels are manufactured globally. China leads with 77.8% production, but learn about quality, ethics, and alternatives in our comprehensive 2025 guide.

## [Solar PV manufacturing capacity and production by country and](#)

Solar PV manufacturing capacity and production by country and region, 2021-2027 - Chart and data by the International Energy Agency.



## **Leading solar power producing countries 2024, Statista**

The United States ranked second that year by a wide margin, with less than half of China's production. India and Japan round out the top four, highlighting the significant role Asian countries

## **Solar Power by Country 2026**

Data and analysis including a list of solar power in every country in the world, countries with the most solar power, and countries that generate the highest percentage of their electricity from solar power.



## **Snapshot of Global PV Markets**

Numbers may differ from official PV production numbers in some countries. It is evidently an optimistic evaluation, and should be considered as indicative, providing a reliable estimation for comparison

## Top 10 Countries Leading Solar Panel Production 2025

For a 2025 snapshot, this page uses the latest fully consolidated year of PV module production (2024) and treats it as the best proxy for the 2025 manufacturing landscape.



## Solar Power by Country 2026

Data and analysis including a list of solar power in every country in

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