

Largest solar module manufacturers





Overview

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PVTIME - Renewable energy capacity additions reached a significant milestone in 2023, with an increase of almost 50% to nearly 510GW, mainly contributed by solar PV manufacturers around the world. On June 11-12 2024, the CPC 9th Century Photovoltaic Conference and PVBL 12th Global Photovoltaic.

The National Renewable Energy Laboratory's most recent Solar Industry Update Report, released in December 2024, revealed the world's largest solar panel manufacturers. We've run through them below, in ascending order, based on each manufacturer's solar panel shipments in the first half of 2024.

This is a list of notable photovoltaics (PV) companies. Grid-connected solar photovoltaics (PV) is the fastest growing energy technology in the world, growing from a cumulative installed capacity of 7.7 GW in 2007, to 320 GW in 2016. In 2016, 93% of the global PV cell manufacturing capacity.

REC manufactures high-quality solar panels and related products for residential, commercial, and utility-scale applications. It has manufacturing facilities in Singapore and employs over 4,200 people globally. The company has manufactured more than 38 million panels, which together have generated.

This report, drawing on the latest developments in the 2025 market, analyzes the key characteristics of the top 10 global PV module manufacturers across four dimensions: technological capability, vertical integration, international presence, and performance in the European market. It aims to.



In this article, we will provide a comprehensive list of the top 20 solar panel manufacturers in the world, aiding in informed choices for a sustainable future. With growing concerns about climate change, solar energy is gaining popularity as a major source of clean power. Numerous solar companies. Who makes the most solar modules in the world?

In terms of solar module by capacity, the 2011 global top ten are Suntech, LDK, Canadian Solar, Trina, Yingli, Hanwha Solar One, Solar World, Jinko Solar, Sunneeg and Sunpower, represented by makers in People's Republic of China and Germany.

What are the top 20 solar panel manufacturers in the world?

The top 20 solar panel manufacturers in the world include Sunpower, Hanwha Q Cells, and RECSolar due to their overall performance.

What are the top 5 solar module manufacturers in 2023?

The total module shipments of the top 5 manufacturers nearly reached 300GW in 2023. The major players maintained their leading positions throughout the list. The top four were LONGi, Jinko, Trina and JA Solar, the same order as last year.

Which solar module manufacturers have enough capacity to meet global demand?

According to the report 'Global solar module manufacturer ranking H1 2024', top ten manufacturers have sufficient capacity to meet global annual demand. Notably, the latest rankings show an increase in non-Chinese manufacturers entering the top 10, with companies from India, Singapore, and Japan making their mark.

Where are the top ten polysilicon & solar module manufacturers?

According to EnergyTrend, the 2011 global top ten polysilicon, solar cell and solar module manufacturers by capacity were found in countries including People's Republic of China, United States, Taiwan, Germany, Japan, and Korea.

What are the top 5 solar module producers in 2011?

The top five solar module producers in 2011 were: Suntech, First Solar, Yingli, Trina, and Canadian. The top five solar module companies possessed 51.3%



market share of solar modules, according to PVinsights' market intelligence report. Top 10 solar cell producers



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[Top 5 American solar panel manufacturers in 2025](#)

Key takeaways The top five solar panel manufacturers in the U.S. are First Solar, Qcells, Canadian Solar, Illuminate USA, and T1 Energy. These companies produce high-performance solar panels for residential, commercial, and utility ...

[2025 Top 20 Global Photovoltaic Module ...](#)

3 ???· During the conference, PVBL announced its annual ranking of the top 20 global photovoltaic module manufacturers. In 2024, the global solar module market continued to see the strongest players thrive, with the top four ...



[American-made solar panels: Who are the top ...](#)

Qcells Qcells is the second-largest manufacturer of solar panels in the U.S., the second most-popular brand on the EnergySage marketplace, and one of the most popular residential solar panel manufacturers, American-made ...

[Top 10 Global Photovoltaic Module Manufacturers in ...](#)

Based on the 2025 market shipment forecast and technology analysis, this report provides an in-depth overview of the world's top 10 photovoltaic



module manufacturers to help enterprises make informed decisions on product ...



[Who are the top 10 photovoltaic module producers in...](#)

Each year, Wood Mackenzie answers this question with an analysis of the 40 largest solar panel brands across 10 countries. These companies alone account for 62% of global manufacturing capacity and 89% ...

[Top ten solar PV module manufacturers show ...](#)

The new global solar PV module manufacturer rankings report stated that these manufacturers have demonstrated remarkable resilience and firm performance in the first half of 2024. According to the report 'Global solar module manufacturer ...



[Top 10: Solar Companies , Energy Magazine](#)

The largest solar PV manufacturer in the Western Hemisphere, First Solar established some of the guiding principles of responsible solar. Celebrating its 25th anniversary in 2024, the leading American solar ...



[Top ten solar PV module manufacturers show ...](#)

Despite facing significant challenges, including unprecedented price declines across solar modules and the silicon supply chain, the top ten solar PV manufacturers achieved an average utilisation rate of 66%, most surpassing ...



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