

Companies that manufacture photovoltaic modules



Article Overview

Leading photovoltaic module manufacturers include Trina Solar, Jinko, LONGi, JA Solar, First Solar, Hanwha Qcells, and Canadian Solar, dominating global production and technological innovation.

Global Leaders

The top global PV module manufacturers are concentrated in China, South Korea, and the U.S., with China producing the majority of polysilicon, wafers, cells, and modules . The first-tier global leaders include Trina Solar, Jinko, LONGi, and JA Solar, which maintain high monthly outputs and strong international presence . These companies leverage advanced technologies such as TOPCon, HJT, and IBC cells to achieve high efficiency and stable mass production . Other notable global manufacturers include Canadian Solar, Aiko Solar, and Chint Group, though some face operational challenges and lower output rates .

U.S.-Based Manufacturers

In the United States, major PV module producers include First Solar and Hanwha Qcells USA. First Solar, headquartered in Tempe, Arizona, is a leading manufacturer of thin-film solar modules and operates facilities in Ohio, Alabama, and soon Louisiana, with a projected capacity exceeding 14 GW by the end of 2026 . Hanwha Qcells USA, with headquarters in Dalton, Georgia, produces high-efficiency crystalline silicon modules and serves the U.S. residential and commercial markets

Article Content

Oct 22, 2025

Leading global provider of comprehensive PV solar solutions | First Solar

First Solar is a leading global provider of comprehensive photovoltaic ("PV") solar solutions which use its advanced module and

Jan 30, 2026

Leading Solar PV Module Manufacturers

Discover the leading Solar Panel Manufacturers & Solar Module Companies. Download the free Buyer's Guide today for full contact

Jul 06, 2026

2025 solar ranking | Wood Mackenzie

The world's top 10 solar photovoltaic (PV) module manufacturers shipped a record 500

Oct 18, 2025

Top 10 List of Solar PV Module Manufacturers in 2026

Discover the top 10 solar PV module manufacturer companies in 2025, featuring American-made solar panels and industry leaders

Dec 06, 2025

2023 Top 20 Global Photovoltaic Module Manufacturers Revealed

A total of 18 Chinese companies were selected in the top 20 list, with a total output of more than 270GW in 2022,

Jan 28, 2026

TOP 20 PV Module Manufacturers Production Ranking (October 2025)

Core Data Insights The photovoltaic module industry is currently in a period of deep adjustment. Overall, the Matthew

Oct 26, 2025

ENF List of Solar Companies and Products

ENF Solar is the top source of photovoltaic information connecting solar suppliers and customers. We list

May 23, 2026

List of the 100 largest solar panel manufacturers Global

10) Worldwide Energy and Manufacturing USA Co., Ltd (South San Francisco, USA)

Jul 11, 2026

Top ten solar manufacturers shipped over 500GW of modules in 2025

PV Tech Research's annual ranking of the top ten solar module manufacturers reveals some signs of recovery after a

Jun 02, 2026

Executive summary – Solar PV Global Supply Chains

Global capacity for manufacturing wafers and cells, which are key solar PV elements, and for assembling them into solar panels (also

May 29, 2026

Top PV Module Suppliers in 2025 by Shipment

To help the industry chain fully understand the actual development of the industry, Solarbe & Solarbe Consulting, after

Nov 19, 2025

Top 10 Global Photovoltaic Module Manufacturers in 2025

Based on the 2025 market shipment forecast and technology analysis, this report provides

Sep 04, 2025

India's leading manufacturer and supplier of PV Solar Cells and Modules

Premier Energies is India's second largest fully integrated Solar Cell and Solar Module manufacturer. It is LEED Gold Certified Solar

Dec 03, 2025

List of photovoltaics companies

Photovoltaics companies include PV capital equipment producers, cell manufacturers, panel manufacturers and installers. The list

Aug 08, 2025

Who are the top 10 photovoltaic module producers in the world?

According to Wood Mackenzie, the top 10 photovoltaic module producers now have enough combined capacity to

May 12, 2026

EU Solar Manufacturing Map

EU Solar Manufacturing Map The EU Solar Manufacturing map gives an overview of solar manufacturing companies active along the

Feb 04, 2026

Top ten solar manufacturers shipped over 500GW of modules in 2025

To uncover the story behind the evolving top ten PV module manufacturers (by shipments), we must first understand

Apr 28, 2026

2025 Top 20 Global Photovoltaic Module Manufacturers Revealed by

During the conference, PVBL announced its annual ranking of the top 20 global photovoltaic module manufacturers. In

Jun 29, 2026

American-made solar panels: Who are the top

Below is the current list of active U.S. solar photovoltaic manufacturers, as of May 2026,

Jul 14, 2026

2025 Top 20 Global Photovoltaic Module Manufacturers Revealed by

In 2024, the global solar module market continued to see the strongest players thrive, with the top four enterprises —

Aug 23, 2025

LONGi Green Energy tops Wood Mackenzie's global solar PV module ...

LONGi Green Energy ranked first in Wood Mackenzie's Global Solar PV Module Manufacturer Ranking 2026, as

Mar 18, 2026

TOP 20 PV Module Manufacturers Production Ranking (October 2025)

The mass production efficiency and cost advantages of advanced technologies like BC cells, TOPCon 2.0, HJT, and

Apr 04, 2026

The top 10 PV module suppliers in 2024

Finlay Colville, head of market research at PV Tech, reveals the top ten PV module

Aug 09, 2025

Top 10 Solar Module Manufacturers in 2024: Market Leaders

Global Ranking of the Photovoltaic Industry How is the new European policy supporting net zero industries

May 10, 2026

The 9 largest solar panel manufacturers in the world

JinkoSolar offers a range of PV modules and storage systems for both domestic and commercial use, and in 2023

Dec 16, 2025

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

Jun 22, 2026

Who are the top 10 photovoltaic module producers in the world?

Global photovoltaic industry, 2024 ranking Who are the top 10 photovoltaic module producers in the world? Each year,

Oct 25, 2025

Solar Components Manufacturers

List of solar component manufacturers. A complete list of companies that make solar system components,

Sep 16, 2025

Die 19 wichtigsten Hersteller von PV-Modulen weltweit & in Deutschland

Diese Übersicht zeigt Ihnen die 20 führenden PV-Hersteller und soll Ihnen als Entscheidungshilfe dienen. Globaler Spitzenreiter bei

Jan 07, 2026

2025 Top 20 Global Photovoltaic Module Manufacturers

PVTIME – On 10 June 2025, the PVBL 2025 Global Top 100 Solar Brands rankings and the PVBL 2025

Jun 01, 2026

APPROVED LIST OF MODELS AND MANUFACTURERS (ALMM)

Application Format to apply for inclusion of Solar Photovoltaic (PV) Module Model (s) in the List of “Approved Models

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://iiss.co.za>

Email: sales@iiss.co.za

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg, 2196, South Africa

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