

Ranking of Photovoltaic Module Manufacturers



Overview

2025 Top 20 Global Photovoltaic Module Manufacturers Revealed by The rankings assess not only market performance and financial metrics, but also innovation.

Key Takeaways

The top global photovoltaic module manufacturers in 2025 are led by JinkoSolar, LONGi, Trina Solar, and JA Solar, dominating the market with shipments exceeding 70 GW each. Top 10 Global PV Module Manufacturers (2025)

- JinkoSolar – Leading the market with over 90 GW shipped, leveraging TOPCon technology and early-mover advantages .
- LONGi – Close second with 82.32 GW, driven by high-efficiency BC technology and strategic global expansion .
- Trina Solar – Surpassed 70 GW in shipments, investing heavily in R&D (1.846 billion yuan) to maintain technological leadership .
- JA Solar – Also exceeding 70 GW, maintaining a strong global presence through innovation and market diversification .
- Tongwei – 45.71 GW shipped, benefiting from vertically integrated supply chains .
- CHINT (Astronergy) – 40.20 GW, leveraging integration and operational efficiency .
- Canadian Solar – 31.10 GW, focusing on high-margin markets rather than volume .

- GCL SI – 25 GW range, specializing in niche markets .
 - DAS Solar – 20-25 GW, carving out a specialized approach .
 - Yingli Energy – 15-25 GW, maintaining a presence through targeted strategies .
- Key Trends and Insights
- Chinese Dominance: Eight of the top ten manufacturers are Chinese, reflecting the country's stronghold on global PV production .
 - Technological Leadership: Advanced cell technologies like TOPCon, HJT, and BC cells are critical for efficiency and market competitiveness .
 - Vertical Integration: Companies with fully integrated production lines—from silicon feedstock to modules—achieve more stable output and on-time delivery, crucial for large-scale projects .
 - Market Consolidation: Overcapacity and low operational rates for smaller manufacturers are driving consolidation, concentrating market share among leading companies .
 - Regional Strengths: While Chinese companies dominate globally, First Solar and Hanwha Q CELLS maintain strong positions in North America and Europe, respectively, with specialized technologies and regional manufacturing advantages .
- Conclusion

The PV module industry is increasingly concentrated among a few dominant players, with JinkoSolar, LONGi, Trina Solar, and JA Solar forming a stable first tier. Technological innovation, vertical integration, and global market presence are key differentiators, while smaller or less integrated companies face operational and competitive pressures . This ranking provides a clear guide for procurement, investment, and strategic planning in the solar energy sector.

Article Content

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

Top 10 Global Photovoltaic Module Manufacturers in 2025

Based on the 2025 market shipment forecast and technology analysis, this report provides an in-depth overview of the

TOP 20 PV Module Manufacturers Production Ranking (October 2025)

The photovoltaic module industry is currently in a period of deep adjustment. Overall, the Matthew effect of “the strong

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

WoodMac: Top 10 solar panel manufacturers control 75% of global

Wood Mackenzie has released its latest “ Global Solar Module Manufacturer Ranking ” report for the first half of 2025,

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

Who are the top 10 photovoltaic module producers in the world? Each year, Wood Mackenzie answers this question

Tier 1 Solar Panel Manufacturers List – Q1 2026

In the first quarter of 2026, BloombergNEF (BNEF) published its official update of the Tier 1 solar module manufacturers list, a global

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

Sinovoltaics Solar PV Module Manufacturers Ranking Report 2025

Get free access to financial stability insights and Altman Z scores of over 70+ PV Module manufacturers to make informed decisions

JA Solar, Trina Solar tie for top spot in Wood Mackenzie ranking

Wood Mackenzie has published its Global Solar Module Manufacturer Ranking for the first half of 2025, placing JA

DMEGC Solar Ranks Top 10 in Wood Mackenzie Global Solar Module ...

DMEGC Solar was once again shortlisted for its outstanding performance, ranking eighth, one place higher than last

Sinovoltaics updates PV module manufacturer financial stability ranking

The ranking report, which is global in scope and based on the Altmann Z-scores of publicly traded manufacturers,

The top 10 PV module suppliers in 2024

Finlay Colville, head of market research at PV Tech, reveals the top ten PV module suppliers last year which was

2025 PV Module Manufacturer Rankings Reveal Global Financial

The Sinovoltaics PV Module Manufacturer Ranking Edition 3/2025 provides a comprehensive analysis of the financial

2023 Top 20 Global Photovoltaic Module Manufacturers Revealed

On the first day of the conference, PVBL's annual ranking of the most valuable photovoltaic brands was announced.

Top 10 Global Solar PV Module Manufacturers by Shipment Volume

The top solar PV module manufacturers listed here have proven their strength by delivering real products to the global market under

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,

Global Solar Module Manufacturer Ranking 2025 (2nd Edition)

Global Solar Module Manufacturer Ranking 2025 (2nd Edition) - This report is a Module manufacturer ranking report

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