

Latest solar Modules





Overview

Who are the top 20 global photovoltaic module manufacturers?

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 enterprises — JinkoSolar, LONGi, Trina Solar and JA Solar — collectively shipping over 320GW and dominating the industry.

Which manufacturers ship N-type solar modules?

N-type modules accounted for the majority of shipments from several top-tier manufacturers. Jinko Solar, the top global shipper, reported that over 87% of its 2024 shipments were N-type. However, TOPCon remained the leading advanced technology, with average conversion efficiencies exceeding 24%.

What are the emerging solar panel technology trends for 2025?

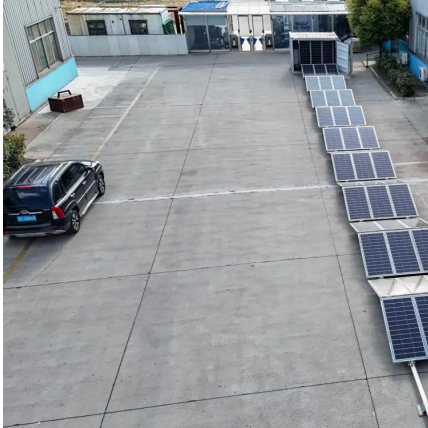
Emerging solar panel technology trends for 2025 include advancements in tandem and perovskite cells, which boost efficiency and energy output, along with the growing use of bifacial panels that capture sunlight on both sides. Smart inverters are also becoming more prevalent, enhancing energy management and integration with storage systems.

What's new in solar PV in 2025?

In 2025, solar PV module innovations are not just about performance—they're also about visual integration. Modern panel designs now come in sleek, all-black formats, glass-glass modules, and frameless options to blend beautifully with rooftops and façades.



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[Solar Modules Guide 2025: Types, Efficiency & Selection Tips](#)

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