

Price fluctuations of solar modules





Overview

Price Stabilization After Volatility: Solar module prices have stabilized in 2025 with global wholesale prices ranging from \$0.08-\$0.28/W, ending years of dramatic fluctuations as supply-demand dynamics rebalance and weak suppliers exit the market. Will price fluctuations affect the photovoltaic module market?

As the global energy transition accelerates, the photovoltaic (PV) industry, as a key component of renewable energy, continues to attract significant attention for its promising development prospects. However, price fluctuations in the photovoltaic module market remain a critical factor influencing the industry's growth.

Why do solar modules cost so much?

However, as the primary cost component of photovoltaic modules, the price of solar cells plays a decisive role in module pricing. Due to the oversupply of polysilicon in earlier periods, prices have been under sustained pressure since 2023, even falling below cost levels in the first half of 2024.

What factors affect the cost of photovoltaic modules?

1. **Cost Factors Driving Price Fluctuations** The cost of photovoltaic modules is primarily composed of solar cells, glass, encapsulation film, and labor expenses.

Why do solar energy prices fluctuate?

Overall, while solar energy prices followed the broader trend of cost reduction seen in previous years, short-term fluctuations were evident due to policy shifts, raw material pricing, and regional demand patterns. Analyst Insight



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