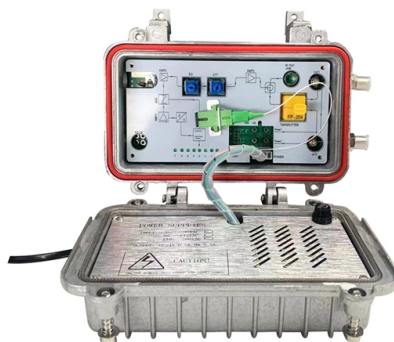


Photovoltaic module price



Overview

PV spot price Learn about photovoltaic panel price trends and solar panel costs with our comprehensive market analysis. How Much Do Solar Panels Cost?

(202.

Key Takeaways

Current photovoltaic module prices range from approximately \$0.08 to \$0.28 per watt, depending on technology, efficiency, and regional market conditions. Price Overview

As of 2026, high-efficiency solar modules—including mono or bifacial heterojunction (HJT), n-type TOPCon, and back-contact (BC) technologies—are priced around €0.130/Wp in Europe, reflecting a rebound from previous market downturns . Standard monocrystalline PERC or TOPCon modules with efficiencies up to 23% are generally lower in cost, while low-cost or grade-B modules remain around €0.060/Wp, often representing surplus inventory or lower-performance panels . Global wholesale prices vary significantly: Chinese FOB prices are approximately \$0.087/W, European markets range from €0.095 to €0.110/W, and US markets can reach \$0.25–\$0.28/W due to tariffs and domestic content requirements .

Factors Influencing Prices

- Technology Type: TOPCon and HJT modules dominate high-efficiency production, offering 22–24% efficiency, which commands higher prices compared to standard PERC modules .

- **Supply-Demand Dynamics:** Market fluctuations are influenced by manufacturing capacity, trade protectionism, and regional installation rates. Recent months have seen modest price increases of 4–5% in Europe due to rebalancing of supply and demand .
- **Inventory and Bankability:** Lower-cost modules often include remaining inventory, used panels, or products with limited warranties, affecting their market price .
- **Regional Trade Policies:** Tariffs, domestic content requirements, and shipping costs contribute to price disparities between China, Europe, and the US .

Market Trends

- After a period of volatility, prices have stabilized globally, with gradual increases expected through 2027, potentially reaching \$0.11–\$0.13/W for mainstream modules .
- Manufacturers are cautious with price cuts, especially ahead of major trade events, to avoid inventory losses .
- High-efficiency modules continue to gain market share, reflecting both technological advances and growing demand for more efficient solar systems .

Summary

Photovoltaic module prices in 2026 are influenced by technology, efficiency, regional market conditions, and supply-demand balance. Buyers can expect \$0.08–\$0.28/W globally, with high-efficiency modules at the upper end and standard or surplus panels at the lower end. Understanding these dynamics is essential for developers, installers, and investors planning solar projects in different regions .

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