

Price fluctuation range of photovoltaic panels





Overview

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.

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.

How are photovoltaic module price adjustments affecting industry players?

The current round of photovoltaic module price adjustments has imposed significant operational pressure on industry players. Leading companies, with their high R&D costs, are at a disadvantage in the price competition. Meanwhile, small and medium-sized enterprises find it challenging to endure prolonged price wars.

Will photovoltaic module prices go down in 2025?

However, given the supply-demand pressures and the competitive landscape of the industry, photovoltaic module prices are expected to remain in a low adjustment phase in 2025. Smaller enterprises may intensify their inventory clearance efforts to survive, which could create temporary downward pressure on market prices.

Where did photovoltaic cost data come from?

Photovoltaic cost data between 1975 and 2003 has been taken from Nemet (2009), between 2004 and 2009 from Farmer & Lafond (2016), and since 2010 from IRENA. Prices from Nemet (2009) and Farmer & Lafond (2016) have been



converted to 2024 US\$ using the US GDP deflator, to account for the effects of inflation.

How does overcapacity affect the price of photovoltaic modules?

In an environment of overcapacity, the selling price of photovoltaic modules gradually approaches cost, with some companies even selling below cost to reduce inventory, further driving downward pressure on prices.



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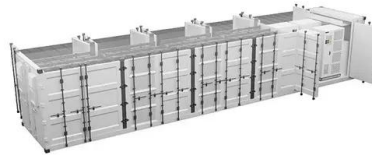




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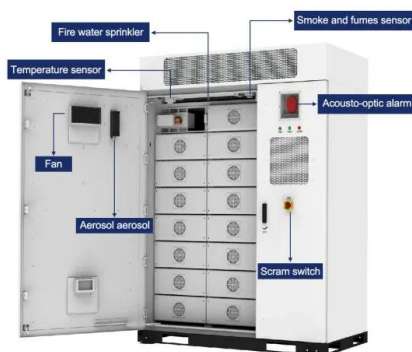
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