

Price trend of solar panels





Overview

During Q1 2025, the global solar energy market witnessed a mixed price trend, influenced by evolving government policies, supply chain dynamics, and downstream product fluctuations. How has the solar panel market changed over the years?

The solar panel market has undergone significant changes over the years, particularly in terms of pricing. To understand the trend, let's delve into the historical and recent data available. In 1977, the price of solar panels was a staggering \$76.67 per watt.

How much will solar panels cost in 2025?

The cost of solar panels has plummeted over the past decade. According to 2023 data, the cost of solar energy has dropped more than 80% compared to a decade ago, and prices are expected to fall even further by 2025. Think tank CEF predicts module prices could fall to 0.1 USD per watt by 2025 (around 0.7 CNY), marking a major shift in affordability.

How much do solar panels cost?

However, according to the Solar Energy Industries Association (SEIA), by 2010, substantial progress had been made in reducing costs. The price of residential solar panels dropped to nearly \$7 per watt, commercial panels to \$6 per watt, and utility-scale panels to \$4.50 per watt.

What is the market share of solar panels in North America?

North America is projected to contribute significantly to the solar panels market, with a 13.5% share. Market Overview: The solar panels market is experiencing significant growth due to increasing environmental concerns, government incentives, and declining costs of solar technology.



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