

# Prices of photovoltaic modules are under pressure

Will market-based electricity pricing affect new solar projects in 2025?

Under this policy, new grid-connected solar projects will adopt market-based electricity pricing from June 1, potentially leading to a sudden drop in domestic module demand and lower prices in the second half of 2025.

Why are module prices rising?

According to industry insiders, the increase in module prices from mid-February has been driven by genuine market support. Following China's announcement of sweeping changes to its power tariff structure, market players rushed to deliver modules for domestic projects before the end of April.

Are module prices stable-to-soft?

Prices in the module market were assessed stable-to-soft for the second consecutive week. The Chinese Module Market (CMM), the OPIS benchmark assessment for TOPCon modules from China was assessed at \$0.096/W, down \$0.002/W reflecting discussions heard while Mono PERC module prices were assessed stable at \$0.090/W from the previous week.

Will module prices rise in 2026?

Meanwhile, first-quarter 2026 prices climbed 3.61% to \$0.086/W, with higher price quotes ranging from \$0.083 to \$0.090/W. Market expectations on future module price trends remain divided. Some sources anticipate a continued price increase through the second half of 2025 into early 2026, driven by upstream supply cuts and weak module margins.

How much does a Topcon module cost in China?

The TOPCon market was rather "chaotic" in the week to Tuesday with prices heard in a wide range. Some Tier 1 module manufacturers continued to offer cargoes at \$0.100/W FOB China while lower offers from Tier 2 and Tier 3 module sellers had emerged at \$0.085/W FOB China.

How much does a bifacial Topcon module cost?

The mainstream concluded price for 182mm bifacial TOPCon modules is RMB 0.72/W, and 210mm bifacial HJT modules at RMB 0.86/W. Supply-Side Trends: Module production for March reached 55-56 GW, reflecting a 30-31% month-over-month increase. The top 10 module manufacturers contributed approximately 67% of this incremental growth.

An employee works on a PV board production line in Hefei, Anhui province, in August. ZHAO MING/FOR CHINA DAILY Silicon, a major material used in photovoltaic cells, modules and wafers, has seen prices surge by about 150 percent since the beginning of this year to an average of over 200,000 yuan (\$31,100) per metric ton last week, buoyed by growing ...

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Global module prices are unlikely to fall much further and could begin to stabilise, the chairmen of two of China's largest PV manufacturers, Trina Solar and JinkoSolar, have said.

The photovoltaic (PV) market is in a perfect storm. A standard solar module cost as little as 14 US dollar cents per watt peak in September 2023. After prices rose sharply in 2021 ...

As solar module prices continue to fall, pvXchange founder Martin Schachinger explains how price pressure could increase in the weeks and months to come. A ...

Even if they source modules that are exempt from tariffs, overall prices in the U.S. market are higher than global prices, putting pressure on project financial models. Price volatility stresses the importance for wholesale buyers to request hardware quotes from multiple suppliers as well as consider a variety of module brands and technologies ...

May 2019: Fridays forever Since the last reduction in the German feed-in tariff for medium-sized PV systems at the beginning of April, not much has changed in terms of module prices. This is down ...

January 2021: 2020 - Taking the time to say "thanks"... Alongside all of the problems, 2020 has brought us a few promising initiatives and developments. Martin Schachinger of pvXchange ...

During this period, while the prices of solar cells and modules rose, polysilicon--burdened by substantial inventories--failed to follow suit, though the pressure ...

Under this policy, new grid-connected solar projects will adopt market-based electricity pricing from June 1, potentially leading to a sudden drop in domestic module demand and lower prices...

As China PV modules reach record-low prices, having dropped from \$ 0.23/W in January 2023 to \$ 0.13/W in November 2023, PV manufacturing efforts in Australia, Europe, India, North and South ...

With the pressure on new battery component companies, the industry's clearing has intensified. Traditional integrated leading companies have long been under pressure due ...

On the other hand, PV module prices have witnessed a moderation over the past nine months, with the price of mono PERC modules reducing from the peak level of 27-28 cents/watt to about 23-24 cents/watt in December 2022 and ...

The prices currently circulating in the photovoltaic market for passivated emitter and rear cell (PERC) products under 2 square meters up to 410 W are just under EUR0.10 (\$10.66)/W, so they were assigned to the "low-cost" price point this month. This is basically the reason for additional declines in the price index.

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Mainstream Photovoltaic Panels: Average price of EUR0.10/Wp, down 9.1% month-on-month. Low-Cost Photovoltaic Modules: Average price of EUR0.060/Wp, a decrease of 7.7% ...

PV module prices are at a level we have not seen since last fall - a fact that is mainly down to very high transport costs for container shipments. This is an insight that was shared in this ...

Photovoltaic (PV) module prices continued their downward trend in July, falling by more than 2% over June's average prices and 44% down annually, according to the latest monthly module price report from IMS Research (recently acquired by IHS Inc.). PV module prices had enjoyed a short period of stability in June due to high demand in Germany and Italy, [...]

The analysis shows that an increased capacity can result in lower PV module price. Figure 3 shows the PV module MSP under four scenarios, reflecting the impact on the key cost drivers with the benefits of the economies of scale. The analysis shows that an increased capacity can result in lower PV module prices.

While prices for N-type recharge and dense polysilicon remained stable this week, the weakening of downstream demand continues to exert downward pressure on prices. This week, the ...

Rising prices. Prices of imported mono PERC PV modules in India have risen by over 35% (Exhibit 1) from around \$0.20 per watt in August 2020 to about \$0.28 per watt in March 2022. This is primarily due to higher polysilicon prices (Exhibit 2), which is a crucial input for PV modules. There are several key reasons for the increase in module prices.

According to installers' procurement data from EUPD's Price and Inventory Tracker, the average price of high-efficiency crystalline modules in Q4 2024 dropped sharply to approximately EUR0.20/W ...

From pv magazine Germany. After remaining flat early in the year, module prices have started rising for the first time in more than two years. The increase is affecting all technology classes ...

Notes on reading the PV price index. Only tax-free prices for photovoltaic modules are shown. The prices stated reflect the average offer prices in retail and on the European spot market (customs cleared).

From pv magazine Global. FOB China: The Chinese Module Marker (CMM), the OPIS benchmark assessment for TOPCon modules from China dropped 1.15% on the week to \$0.086/W Free-On-Board (FOB) China, amid lower price indications between \$0.080-0.092/W.. Despite upstream price firmness, module prices remain under pressure as manufacturers ...

The 2023 PV market outlook devotes a focus on crystalline silicon, the number one material of cells and modules, whose prices have dropped dramatically in recent months. According to reports by PVinsights, research ...

## Prices of photovoltaic modules are under pressure

The solar PV industry has seen a significant cost reduction in the last three years, largely attributable to the falling costs of modules [27]. The cost of solar PV crystalline modules fell from approximately \$2 USD per Watt-peak (Wp) in 2009, to \$1.28 USD/Wp in 2011, representing a decline of 20% annually [28].

When under pressure, foil expands more than glass putting pressure on solar cells that consequently lead to the formation of microcracks: Lifespan ... Characteristics of Glass-Glass PV Modules Cost. The cost of PV glass per square meter currently averages at \$6. Considering that double-glass PV modules use glass on both sides, the cost of glass ...

"The price of photovoltaic modules is going to rise." JA Solar (002459. SZ) told the first financial reporter today that the market demand has warmed up after the Spring Festival, and the company's follow-up orders are very good. ... and the cost is under pressure to increase the price of commissions, which requires the transmission of module ...

The PV Module Price Index tracks wholesale pricing and supply of crystalline-silicon modules that have fallen out of traditional distribution channels, and as a result are listed for resale on the EnergyBin exchange.. For the fourth ...

Simultaneously, module prices decreased significantly, which resulted in intense pressure on production costs and the cost of PV module components, inducing changes in the encapsulation material ...

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