

# **Collectively purchase the latest photovoltaic module prices**





## Overview

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How much does a photovoltaic module cost?

Mainstream Modules: Average price of €0.11/Wp, stable compared to September but 21.4% lower than January 2024. Low-Cost Modules: Average price of €0.065/Wp, a 7.1% decrease from September and 27.8% from January 2024. These trends are exerting mounting pressure on the photovoltaic sector.

How much does a photovoltaic panel cost?

Mainstream Photovoltaic Panels: Average price of €0.10/Wp, down 9.1% month-on-month. Low-Cost Photovoltaic Modules: Average price of €0.060/Wp, a decrease of 7.7% compared to the previous month. These figures underscore the significant pressures in the photovoltaic market, as price reductions strain margins to unprecedented levels.

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 much does a top-five module cost in 2025?

A top-five module maker told OPIS that 2025 loading prices have not meaningfully increased, even with higher upstream costs. Current offers from leading manufacturers of utility-scale projects are in the low-\$0.080/W range. The FOB China TOPCon module price for the first-half 2025 loading was at \$0.085/W, with values between \$0.082-0.087/W.

How efficient are photovoltaic modules in 2025?

But let's take a closer look at the figures recorded in January 2025:



Photovoltaic modules with monocrystalline or bifacial HJT cells, N-type/TOPCon or xBC (Back Contact) and their combinations, with efficiencies above 22.5%.

How do market analysts evaluate the cost of PV systems?

Market analysts routinely monitor and report the average cost of PV systems and components, but more detail is needed to understand the impact of recent and future technology developments on cost. Consequently, benchmark systems in the utility-scale, commercial, and residential PV market sectors are evaluated each year.



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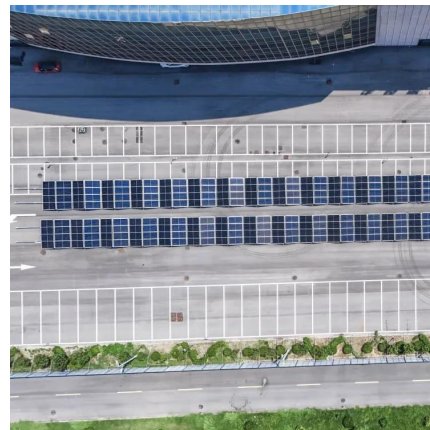


### Buy Solar Panel Modules Online at Best Price , Shop Waaree

Buy from a variety of on-grid solar panel modules online for your home and commercial premises at affordable prices with performance warranty and free delivery.

### Solar Photovoltaic Prices, PV modules, PV glass, PV cells, PV ...

SMM brings you current solar photovoltaic equipment or material prices and historical price charts such as polysilicon prices, silicon wafer prices, battery cell prices, module prices, silicon ...



### [Solar Panel Prices Over Time , Cladco](#)

Last updated: January 25th 2024 In this article we examine solar panel prices over time. As well as looking at the installed cost of solar panels ...

### Cost and prices

The data and analytics software platform's Q2 2025 Solar Module Pricing Insights report indicates a double-digit increase in median





module ...



### Solar Photovoltaic System Cost Benchmarks

The U.S. Department of Energy's solar office and its national laboratory partners analyze cost data for U.S. solar photovoltaic systems to develop cost benchmarks to measure progress ...

### **Tight supply sends European module prices upwards ...**

Continued supply strain has sent module prices on an upward trend in Europe during the month of April, according to the pv dex report.



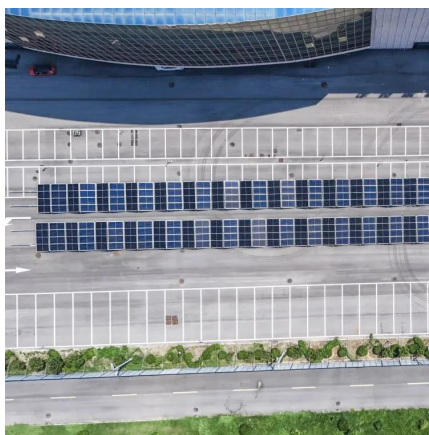
### **Utility-Scale Renewables: An Analysis of Pricing ...**

Our analysis indicates that power purchase agreement (PPA) prices are not expected to decrease significantly in the foreseeable future.  
...



## European solar PPA prices rise just 1.3% in Q1 2025

The average value of a solar power purchase agreement (PPA) signed in Europe in the first quarter of 2025 was just 1.3% higher than in the ...



## 2024 PV Module Price Index

The PV Module Price Index tracks wholesale pricing and supply of crystalline-silicon modules that have fallen out of traditional distribution ...

## PV Index: Mixed price trends and strong confidence define ...

February brought a mixed picture to the European solar market, with module prices showing both declines and increases across categories, while buyer confidence hit a new ...



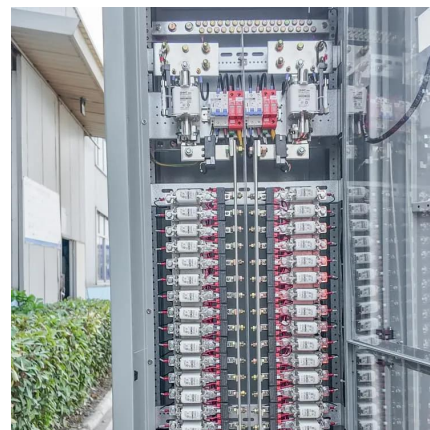
## PV spot price

InfoLink Consulting provides weekly updates on PV spot prices, covering module price, cell price, wafer price, and polysilicon price. Learn about photovoltaic panel price trends ...



## Solar Module Pricing Insights

Access Anza's free quarterly PV panel price insights report for pricing data from more than 95% of the U.S. module supply.



## Global solar module prices mixed on varying demand expectations - pv

In a new weekly update for pv magazine, OPIS, a Dow Jones company, provides a quick look at the main price trends in the global PV industry.

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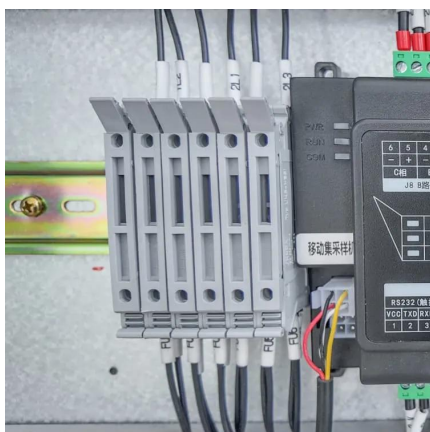


## PV Price Trends , TrendForce

PV Price Trends Through detailed survey cross-survey of data from major suppliers and procurement parties, Green Energy Research is able to provide an accurate weekly report ...

## Photovoltaic Price Index

Every month we publish a current price index on the development of wholesale prices of solar modules. In doing so, we differentiate between the main technologies available on the market.



## [Photovoltaic Module Prices 2025: Updated Data](#)

Prices for photovoltaic modules in 2024 continue to fall. According to the monthly index published by Germany's pvXchange Trading, the downward trend persists, driven ...

## [2025 solar ranking , Wood Mackenzie](#)

The world's top 10 solar photovoltaic (PV) module manufacturers shipped a record 500 gigawatts (GW) of modules in 2024, nearly doubling the previous year's volume, ...





## Solar Photovoltaic Prices, PV modules, PV glass, PV ...

SMM brings you current solar photovoltaic equipment or material prices and historical price charts such as polysilicon prices, silicon wafer prices, battery ...



## Solar (photovoltaic) panel prices

IRENA presents solar photovoltaic module prices for a number of different technologies. Here we use the average yearly price for technologies ...



## [Solar Photovoltaic System Cost Benchmarks](#)

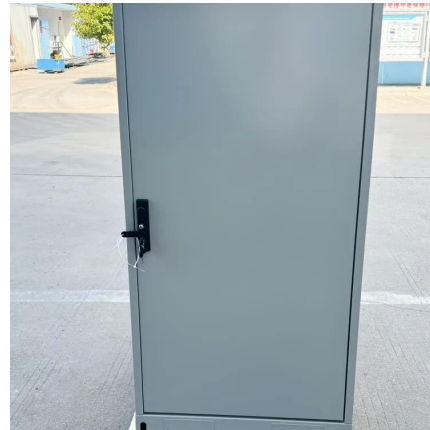
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### **Cost and prices**

The data and analytics software platform's Q2 2025 Solar Module Pricing Insights report indicates a double-digit increase in median module price from February to May 2025 in ...

### **Cost and prices**

International PV module prices, driven by Chinese averages, will likely rise from \$0.08/W to \$0.10/W today to \$0.11/W by the end of 2025 and ...



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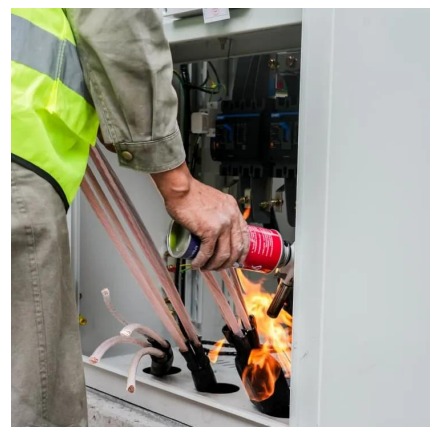


## [Five Key Factors Behind the Recent Fall in PV ...](#)

The photovoltaic (PV) module market has recently experienced a significant drop in prices. This trend can be attributed to a combination of ...

## [Solar Panel Cost: How Expensive are Solar Panels?](#)

Solar Panel Costs and prices. Are solar panels expensive? Average cost of solar panels, panel prices by states, and payment options.





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