

The cost price of photovoltaic modules





Overview

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.

How much does a module cost in 2024?

High-Efficiency Modules: Average price of €0.14/Wp, down 6.7% from September 2024 and 39.1% from January 2024. 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.

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 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%.

Why are photovoltaic modules falling in 2024?

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 largely—if not entirely—by Asian overproduction. The index focuses on the European market, which pvXchange has been monitoring since 2009 with a unique pricing tool.



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[Global module prices trend upward in Q2](#)

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 ...

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

Low-Cost Photovoltaic Modules: Average price of EUR0.060/Wp, a decrease of 7.7% compared to the previous month. These figures underscore ...

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China , Photovoltaic: Price , CEIC

CN: Price: Photovoltaic Module: 158 Single Crystal data remains active status in CEIC and is reported by Shandong Longzhong Information Technology Co., Ltd.. The data is ...

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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 'Thin film a-Si/u-Si or ...



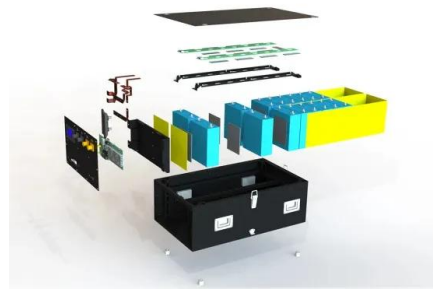
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The Cost of Solar Panels

How much do Solar Panels cost? (September 2025) The below table shows the average solar panel cost by city & size of solar panels installed (DC). The prices in all the ...

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Cost

Cost- and Price Dynamics of Solar PV Modules
Abstract: For several decades, the prices for solar photovoltaic (PV) modules have adhered closely to an 80% learning curve. Yet recent price ...

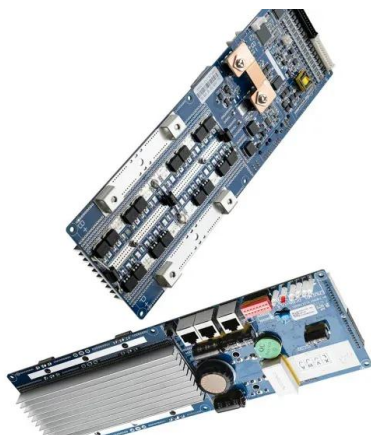
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[How Much Do Solar Panels Cost? - Forbes Home](#)

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.

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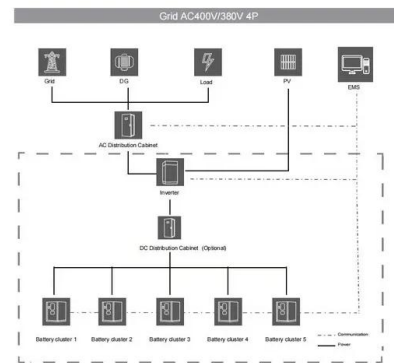




International PV module pricing may rise to \$0.11/W by year end

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 potentially \$0.13/W by 2027, ...

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[Solar Photovoltaic System Cost Benchmarks](#)

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 ...

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Breakdown of Solar Pv System Costs by Market Segment

To get a general and clear idea of how much do solar panels cost including the costs above which differ in each US state, it's advisable to get in touch with a professional solar installation ...

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[Solar Panel Costs In Australia: Price Index 2025](#)

Explore all about solar panel costs in Australia, 2025. Compare state wise solar panel costs, rebates, and payback periods to make solar ...

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

Solar cell prices is expected to remain firm amid policy direction. Supported by rising cost change and producers' willingness, cell prices are expected to ...

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[Breakdown of Solar Pv System Costs by Market ...](#)

To get a general and clear idea of how much do solar panels cost including the costs above which differ in each US state, it's advisable to get in touch with a ...

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Crystalline Silicon Photovoltaic Module Manufacturing Costs ...

Executive Summary Over the past decade, the crystalline-silicon (c-Si) photovoltaic (PV) industry has grown rapidly and developed a truly global supply chain, driven by increasing consumer ...

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Photovoltaic (PV) Pricing Trends: Historical, Recent, and ...

The drop in installed system prices has resulted from module and non-module cost reductions, but module costs have declined more quickly, thus heightening the PV industry's recent emphasis ...

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How Much Do Solar Panels Cost?

Find out how much solar panels cost for different size homes and pv system sizes plus whether solar panels are getting cheaper. Solar panel prices are from RICS.

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

Low-Cost Photovoltaic Modules: Average price of EUR0.060/Wp, a decrease of 7.7% compared to the previous month. These figures underscore the significant pressures in the ...

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[How Much Do Solar Panels Cost? \(Aug 2025\)](#)

The average 6-kW residential solar panel installation is \$17,852 before incentives. Learn about cost factors, financing options, tax breaks and more.

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Latest Solar Price Chart and Dashboard Carbon Credits

Solar Pricing and Price Charts. Solar prices across the world's most active residential, utility, and commercial PV (Photovoltaics) markets.

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Photovoltaic Panels Cost in India 2025 , Solar System Price

Wondering how much photovoltaic panels cost in India? This 2025 guide covers pricing, panel types, and key factors that affect solar panel system costs.

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[Solar module prices hovering at all-time lows](#)

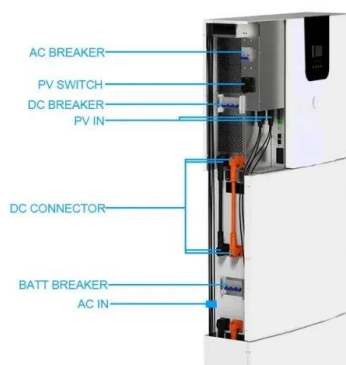
As solar module prices continue to fall, pvXchange founder **Martin Schachinger** explains how price pressure could increase in the ...

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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.

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Solar Panel Prices in South Africa 2025 , Cost Of Installing

Solar Panel Prices in South Africa In South Africa, the cost of installing solar panels varies significantly depending on several factors. On average, solar panel installation costs ...

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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 ...

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[Solar Panel Costs in 2025 : It's Usually Worth It](#)

How much do solar panels cost in 2025? A 7.2 kW solar panel system costs \$21,816 before incentives or \$3.03 per watt of solar installed. The federal solar ...

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

Solar cell prices is expected to remain firm amid policy direction. Supported by rising cost change and producers' willingness, cell prices are expected to remain above the average cash cost ...

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Global average price for solar PV modules 2024, Statista

1 All prices do not include sales tax. The account requires an annual contract and will renew after one year to the regular list price.

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