



Light-proof photovoltaic modules and prices

How much does a photovoltaic module cost?

Mainstream Modules: Average price of EUR0.11/Wp, stable compared to September but 21.4% lower than January 2024. Low-Cost Modules: Average price of EUR0.065/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 EUR0.10/Wp, down 9.1% month-on-month. 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 photovoltaic market, as price reductions strain margins to unprecedented levels.

What is the 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 channels, and as a result are listed for resale on the EnergyBin exchange.

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%.

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.

Do PV modules lose resale value?

For historical secondary market PV module pricing from 2020 through 2023, download the 2023 PV Module Price Index from EnergyBin's Resources portal. Overall, the price index shows that new PV modules don't tend to lose resale value in the U.S. secondary market unless their technology is older, such as Legacy POLY modules.

I've spent countless hours reviewing solar panels and solar panel tech, so I know what makes a panel worth the money. In this guide, I'm going to cover the seven cheapest ...

Look at Solar PV module prices for monocrystalline, polycrystalline, and thin-film panels. Find out about price variations how well they work, and which solar ...



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NREL analyzes the total costs associated with installing photovoltaic (PV) systems for residential rooftop, commercial rooftop, and utility-scale ground-mount systems.

PV modules are defined as assemblies of multiple photovoltaic (PV) cells that convert light energy into electricity, typically arranged in series or parallel configurations to achieve desired voltage ...

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 ...

These benchmarks help measure progress toward goals for reducing solar electricity costs and guide SETO research and development programs. Read more to find out how these cost ...

The Photovoltaic Module is highly resistant to water, abrasion, hail impact and other severe weather conditions, making it suitable for use in any climate. Our ...

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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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Photovoltaic (PV) module prices are a key metric for PV project development and growth of the PV industry. The general trend of global PV module pricing has been a rapid and steep ...

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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 ...

Photovoltaic modules, or solar modules, are devices that gather energy from the sun and convert it into electrical power through the use of semiconductor-based cells. A ...

Solar cell prices is expected to remain firm amid policy direction. Supported by rising cost change and



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producers" willingness, cell prices are expected to ...

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