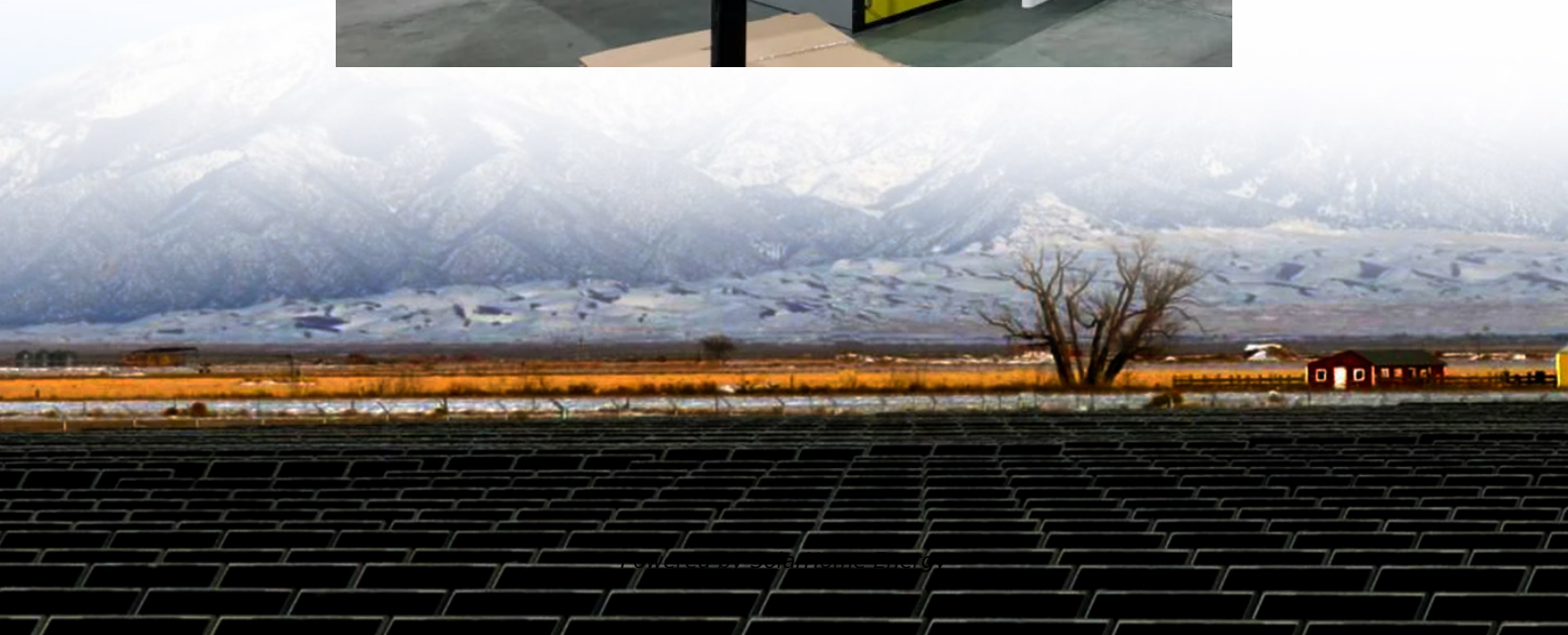


Prices of various new photovoltaic modules





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 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 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



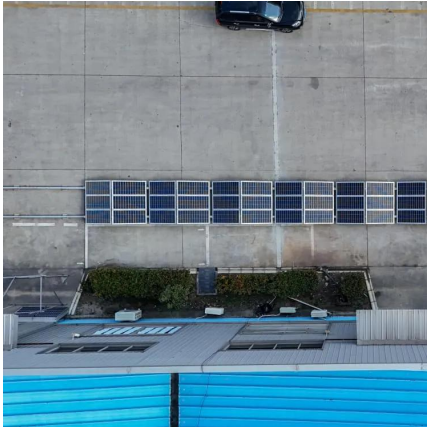
converted to 2024 US\$ using the US GDP deflator, to account for the effects of inflation.

How much power does a monofacial solar module produce?

Each module has an area (with frame) of 1.9 m^2 and a rated power of 400 watts, corresponding to an efficiency of 21.1%. The monofacial modules were assembled in the United States in a plant producing 1.5 GW dc per year, using n-type crystalline silicon solar cells produced in Southeast Asia.



Prices of various new photovoltaic modules

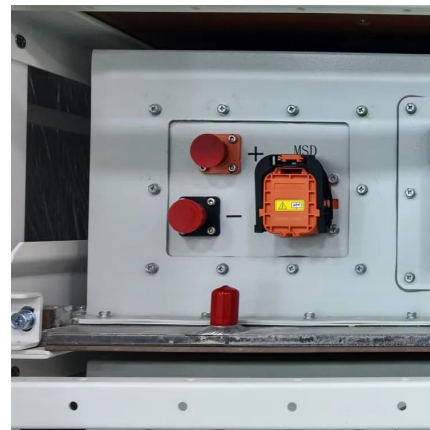


Solar (photovoltaic) panel prices

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

Photovoltaic Module: Definition, Importance, Uses and Types

A photovoltaic (PV) module is a unit comprised of PV cells that gather sunlight and turn it into energy. Each module contains multiple PV cells shielded by different materials ...



Cost and prices

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. PV module prices have fallen by ...

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European solar module price rise heralds 'new pricing balance'

PV module prices in Europe have risen after months of decline, driven by price increases from Chinese manufacturers and a tight supply of popular modules.



Solar (photovoltaic) panel prices vs. cumulative capacity

Solar (photovoltaic) panel prices Solar (photovoltaic) panels cumulative capacity Solar and wind power generation Solar energy generation by region Solar energy generation vs. capacity ...





Solar Plate Price in Pakistan (Aug 2025) , Latest Rate

About longi solar panel price in Pakistan- LONGI Green Energy Technology is one of leading solar panels and has different types of solar panels manufacturing company which was ...



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Cost and prices

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Solar Manufacturing Cost Analysis , Solar Market ...

NREL researchers consider the full production processes of solar cells and modules when conducting bottom-up cost modeling. Historical and ...

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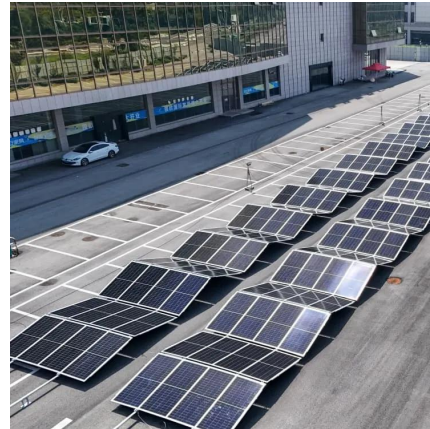


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[Photovoltaic Module Prices 2025: Updated Data](#)

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 Panel Costs: Ultimate Guide to Pricing and Savings

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[A Pro Guide to Installing Solar Panels](#)

A solar array is a group of solar or photovoltaic (PV) panels wired together to create an electrical power output. Solar arrays include panels, inverters and mounting racks to ...

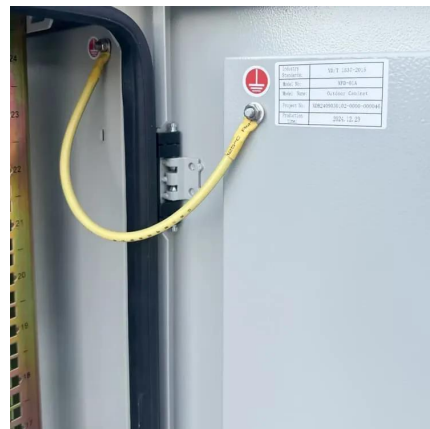


Snapshot 2024

Executive Summary The global PV cumulative capacity grew to 1.6 TW in 2023, up from 1.2 TW in 2022, with from 407.3 GW to 446 GW [1] of new PV ...

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[Solar Panel Cost Guide for 2025 by State](#)

Solar Panel Cost Guide FAQs What is the average cost of solar panels in 2025? The average cost is expected to fall between \$24,000 and \$36,000. This range can vary depending on your ...



Polysilicon Solar PV Price

All solar PV (Photovoltaic) real-time price update, such as Panle/Module, Inverter, Wafer, Cell, and poly / Silicon, and research reports.

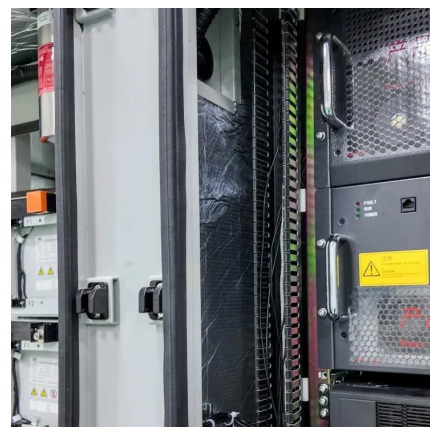


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[How Much Do Solar Panels Cost? \(Aug 2025\)](#)

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