

# **Us solar module price**





## Overview

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The US solar module market recorded a 4% price increase in December 2024, rising by \$0.01/W to \$0.26/W, the first uptick since summer. Prices have stabilized at that level, Anza said in its “Q1 2025 Solar Module Pricing Insights” report.

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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 Global Price Index (from Q4 2013)'. IRENA (2024); Nemet (2009); Farmer and Lafond (2016) – with major processing by Our World in Data.

US solar module prices rose in December 2024 for the first time since last summer, driven by tariff adjustments and patent litigation uncertainty, according to Anza. While prices have since stabilized, module type, cell origin, and geopolitical factors continue to shape the market. From pv magazine.

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 response to tariff and policy changes. Heliene's solar module manufacturing in Mountain Iron, Minnesota. Image: Heliene Solar.

US solar module prices are increasing due to unexpectedly high AD/CVD cash deposit rates, making imports from Southeast Asia less viable, according to the latest pricing analysis from Clean Energy Associates (CEA). CEA’s latest quarterly ‘PV Price Forecasting Report’ has revealed a growing price.

Each year, the U.S. Department of Energy (DOE) Solar Energy Technologies Office (SETO) and its national laboratory partners analyze cost data for U.S. solar photovoltaic (PV) systems to develop cost benchmarks. These benchmarks help measure progress toward goals for reducing solar electricity costs.



The data in this report represents median DG list prices from over 35 module vendors participating in the Anza platform, which captures over 95% of the U.S. module supply. Our last quarterly report highlighted data through November 2024, when pricing steadily declined from the summer highs of 28. Why are solar module prices rising?

Image: Luke Price via Flickr. US solar module prices are increasing due to unexpectedly high AD/CVD cash deposit rates, making imports from Southeast Asia less viable, according to the latest pricing analysis from Clean Energy Associates (CEA).

Why are PV modules so expensive in the US?

The goal is simple: to map out the PV module supply channels to the U.S. out to 2027 and beyond. Factors including import duties and changing tax rates in China have driven up US module prices, according to CEA's latest pricing report.

What is PV moduletech USA?

PV ModuleTech USA, on 16-17 June 2026, will be our fifth PV ModuleTech conference dedicated to the U.S. utility scale solar sector. The event will gather the key stakeholders from solar developers, solar asset owners and investors, PV manufacturing, policy-making and all interested downstream channels and third-party entities.

How much power does a monofacial solar module produce?

Each module has an area (with frame) of 1.9 m<sup>2</sup> 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.

When will BC module prices be added in Eurpoe?

In Eurpoe, the public pricing for BC modules (residential and C&I) will be added from June 2025. 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 and solar panel costs with our comprehensive market analysis.

How much AC does a solar PV system produce?

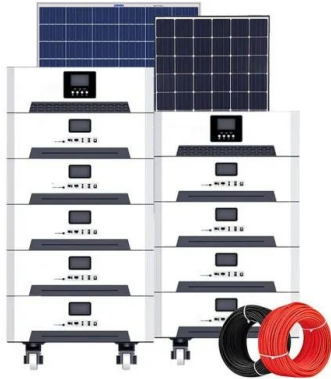


The aluminum rails and module clamps are imported from China and subject to 25% tariff. Each module is paired with a microinverter rated at 330 W ac, giving the PV system a rated AC power output of 6.6 kW ac, which corresponds to an inverter loading ratio of 1.22.



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Solar module prices in the United States rose for the first time since summer, according to an Anza report, driven by tariff adjustments and uncertainty over ongoing patent litigation. While prices have since stabilized, ...



## Quarterly Solar Industry Update

Each quarter, the National Renewable Energy Laboratory conducts the Quarterly Solar Industry Update, a presentation of technical trends within the solar industry. Each presentation focuses on



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US solar module manufacturing capacity also tripled. The US solar module manufacturing industry experienced record growth in 2024. Domestic module manufacturing capacity grew 190% year-over-year, from ...



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