

Price comparison of solar module equipment manufactured in China and Europe

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Generated on: 2026-03-26 04:27:16

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Will EU-made solar modules be more expensive than Chinese imports?

A report by SolarPower Europe and Fraunhofer ISE finds EU-made solar modules cost EUR0.103 (\$0.12)/W more than Chinese imports, but targeted policies could close the gap and help reach the EU's 30GW annual manufacturing target by 2030.

How much does a solar module cost in Europe?

Producing a solar module in Europe with EU-made solar cells costs around EUR0.103 (\$0.12)/W more than producing the same module in China, according to a new report.

Why is reshoring solar module manufacturing to Europe a problem?

The Reshoring Solar Module Manufacturing to Europe report, by SolarPower Europe and the Fraunhofer Institute for Solar Energy Systems (ISE), says the gap is caused by higher costs for equipment, materials, labour, buildings and facilities.

Can the cost gap between European-made and Chinese-imported solar be reduced?

The report says the cost gap between European-made and Chinese-imported solar can be reduced to below 10% with the right mix of policies, including combining Capex and Opex schemes under output-based support schemes.

The study, titled Reshoring Solar Module Manufacturing to Europe, reveals that producing a solar module in the EU with Europe-made cells currently costs around 10.3 ct ...

The cost of Western production equipment can be 40% higher when import duties are factored in, and factory construction costs are approximately twice as high in Western ...

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 aim of the project is to determine the difference between the production cost and market price (price premium) of solar panels in China, the EU and the US and provide an overview of what ...

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

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Material and manufacturing costs by region are compared in this data-file for China vs the US vs Europe. Generally, compared with the ...

Comprehensive guide to solar module prices in 2025. Current costs, market trends, buying strategies, and price forecasts. Updated with latest data.

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The "Reshoring Solar Module Manufacturing to Europe" report offers a cost gap analysis and policy impact simulation, which finds that producing a solar module in Europe ...

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