

# **Does Germany export solar modules**





## Overview

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How much solar energy did Germany import in 2023?

In 2023, Germany imported nearly €3.6 billion worth of PV systems, primarily solar cells and modules. Compared to the previous year, the value fell by 12.5%, the Federal Statistical Office (Destatis) reported Monday. PV imports continued to decline sharply in the first five months of the year compared to the same period last year.

How many solar modules are made in Germany?

For the first quarter, the Federal Statistical Office reports a drastic decline in modules manufactured in Germany to just under 495,600. From pv magazine Germany In 2023, Germany imported nearly €3.6 billion worth of PV systems, primarily solar cells and modules.

Are solar photovoltaic modules safe in Germany?

In Germany, solar photovoltaic modules are certified according to European Norm (EN) standards. Manufacturers must comply with the "safety class II" norms that certify the electrical safety of photovoltaic modules.

How much solar power is installed in Germany?

According to Fraunhofer Institute for Solar Energy Systems (ISE), approximately 67 GWp of cumulative PV power were installed in Germany by the end of 2020. With the update to Germany's RES Act in 2023, the PV expansion targets were significantly increased to the cumulative installed PV power of 215 GWp in 2030 and 400 GWp in 2040 (Figure 1).



## Does Germany export solar modules

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International trade in products related to green energy

Oct 26, 2025 · The EU import values of solar panels and liquid biofuels in 2024 were much higher than the corresponding EU export values which were EUR0.7 billion for solar panels and EUR1.8 ...

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In 2022, 87% of the imported photovoltaic power stations ...

Mar 1, 2023 · From Germany's perspective, China is by far the most important country of origin of photovoltaic power stations. Roughly 87% of the photovoltaic power stations imported to ...

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India: The Rising Power in Global Solar ...

May 1, 2024 · Indian solar PV exports could be especially price competitive in countries with import duties on solar PV cells and modules produced in ...

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EU imports in green energy products higher ...

Oct 14, 2024 · In 2023, the EU imported EUR19.7 billion worth of solar panels, EUR3.9 billion of liquid biofuels and EUR0.3 billion worth of wind turbines from ...

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PV module take-back and recycling in Germany

Dec 21, 2024 · Summary of Main Findings on PV Sector Circularity in Germany In March 2021, the nongovernmental organization Environmental Action Germany (Deutsche Umwelthilfe ...

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China's solar PV module exports hit 236 GW in 2024, with ...

Feb 4, 2025 · China's solar PV module exports hit 236 GW in 2024, with growth in all regions except Europe China exported 16.63 GW of modules in December 2024, up 9% MoM from ...

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PV module take-back and recycling in ...

Dec 21, 2024 · Summary of Main Findings on PV Sector Circularity in Germany In March 2021, the nongovernmental organization ...

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Recent Facts about Photovoltaics in Germany

This summary consists of the most recent facts, figures and findings and shall assist in forming an overall assessment of the photovoltaic expansion in ...

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Market Data , German Solar Association

2 days ago · German PV Price Monitoring EuPD Research gathers price data for PV modules and PV systems for BSW Solar on a quarterly basis. The data stems from interviews with solar ...

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Photovoltaic Industry in Germany

Dec 2, 2025 · In Germany, solar photovoltaic modules are certified according to European



Norm (EN) standards. Manufacturers must comply with the "safety class II" norms that certify the ...

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#### Solar photovoltaics in Germany

Jul 30, 2025 · Solar photovoltaics are on the list of renewable energy sources Germany would like to transition to using more. In fact, in the European Union, Germany already produced the ...

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#### Germany's Solar Supply Chain: A Guide for Manufacturers

Sep 26, 2025 · To many entrepreneurs considering solar module manufacturing, the global supply chain appears monolithic and heavily concentrated in Asia. Yet a closer look reveals a robust ...

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#### Recent Facts about Photovoltaics in Germany

This summary consists of the most recent facts, figures and findings and shall assist in forming an overall assessment of the photovoltaic expansion in Germany.

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#### Germany imports solar power

How much solar power did Germany produce in 2023? used for self-consumption. Nine TWh, the highest monthly solar power generation ever achieved in German How much electricity does ...

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#### Solar PV imports by origin country Germany , Statista

Nov 28, 2025 · Solar photovoltaic system imports Germany 2024, by country of origin  
Published by Statista Research Department, Nov 28, 2025

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#### Photovoltaic Industry in Germany

Dec 2, 2025 · In Germany, solar photovoltaic modules are certified according to European Norm (EN) standards. Manufacturers must comply with the ...

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#### Germany: Value of PV imports, exports ...

Aug 1, 2024 · In 2023, Germany imported nearly EUR3.6 billion worth of PV systems, primarily solar cells and modules. Compared to the previous ...

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#### 2024 Monthly Solar Photovoltaic Module Shipments ...

Dec 11, 2024 · Table 8. Destination of photovoltaic module export shipments, 2024 Exports at the national level are published in Table 6. Destination country is not published to protect ...

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#### Photovoltaic panels - transportation and ...

Photovoltaic panels - specifications Over the decades, the prices of solar panels have dropped drastically. Between 2008 and 2012, module prices ...

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#### Solar power in Germany - output, business & perspectives

May 28, 2025 · Far from being a sun-drenched country, Germany boasts one of the world's highest solar power outputs. The country triggered the large-scale launch of the technology ...

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#### Germany: Value of PV imports, exports plunges 66%



Aug 1, 2024 · In 2023, Germany imported nearly EUR3.6 billion worth of PV systems, primarily solar cells and modules. Compared to the previous year, the value fell by 12.5%, the Federal ...

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Market Data , German Solar Association

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International trade in products related to green energy

HighlightsOverall, The EU Imports More Green Energy Products Than It ExportsSolar Panels: China Largest Import Partner, Switzerland Largest Export PartnerData SourcesContextIn 2023, the EU imported solar panels to the value of EUR19.7 billion, liquid biofuels to the value of EUR3.9 billion and wind turbines worth EUR0.3 billion (see Figure 1). The EU import values of solar panels and liquid biofuels in 2023 were much higher than the corresponding EU export values which were EUR0.9 billion for solar panels and EUR2.2 billion for See more on ec ropa GTAIPhotovoltaic Industry in GermanyDec 2, 2025 · In Germany, solar photovoltaic modules are certified according to European Norm (EN) standards. Manufacturers must comply with the ...

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How to Export Solar Panels to Europe and the ...

Feb 1, 2025 · 1. Export Channels: Sea or Air Solar panels are classified as general cargo and can be transported via sea or air freight. While sea ...

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