

The export proportion of solar panel components





Overview

Cells and wafers accounted for over 40% of China's product exports in the first half of 2025, according to the latest report from energy think tank Ember. What are China's solar PV exports?

In 2021, the value of China's solar PV exports was over USD 30 billion, almost 7% of China's trade surplus over the last five years. In addition, Chinese investments in Malaysia and Viet Nam also made these countries major exporters of PV products, accounting for around 10% and 5% respectively of their trade surpluses since 2017.

What is the global solar PV supply chain worth?

In that last year, the global solar PV chain reached an industrial business value of some 104.7 billion U.S. dollars, with China dominating the market, and followed by the United States and Malaysia. Discover all statistics and data on Global solar PV supply chain now on [statista.com](https://www.statista.com)!.

How has China shaped the global supply and demand of solar PV?

Government policies in China have shaped the global supply, demand and price of solar PV over the last decade. Chinese industrial policies focusing on solar PV as a strategic sector and on growing domestic demand have enabled economies of scale and supported continuous innovation throughout the supply chain.

How has global solar PV manufacturing capacity changed over the last decade?

Global solar PV manufacturing capacity has increasingly moved from Europe, Japan and the United States to China over the last decade. China has invested over USD 50 billion in new PV supply capacity – ten times more than Europe – and created more than 300 000 manufacturing jobs across the solar PV value chain since 2011.



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[China Exports 235.9 GW of Solar Panels in 2024](#)

Feb 8, 2025 · China exported 235.93 GW of PV modules in 2024, up 13% from 207.99 GW in 2023, according to customs data from PV InfoLink. Global module shipments increased 13% ...

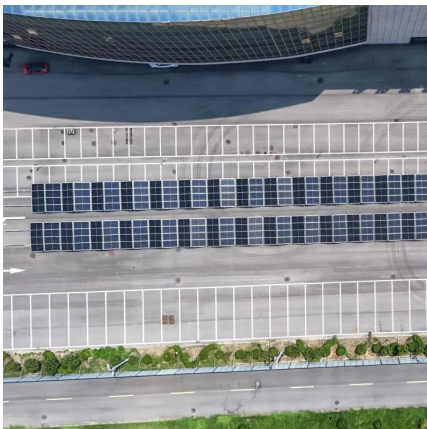
[Special Report on Solar PV Global Supply Chains , OECD](#)

Solar PV is a crucial pillar of clean energy transitions worldwide, underpinning efforts to reach international energy and climate goals. Over the last decade, the amount of solar PV deployed ...



[Cells and wafers account for 42% of Chinese solar exports](#)

Aug 14, 2025 · The first six months of the year saw cell exports account for 22% of China's solar exports, a larger proportion of total exports than wafers (20%) for the first time ever.



[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 ...



China solar cell exports grow 73% in 2025

Aug 12, 2025 · India's demand for solar cells sees exports of the product from China increase by over 70% in the first half of 2025, doubling to 40% of all solar products as solar panel exports

...



4 Countries Exported More Than 70% of World's Key Solar, ...

Apr 3, 2023 · - The number of countries with concentrated RE tech and component imports has marginally increased or remained constant in the last 10 years - Highly concentrated RE ...



US Solar Imports Skyrocket by 286% Amid Expansion of ...

Nov 27, 2024 · US solar imports of crystalline-silicon solar cells experienced a significant surge in the third quarter of 2024, soaring over four times higher than the same period in 2023, as ...





[From Trade to Supply Chain Investments: China's Three ...](#)

Apr 23, 2025 · This paper examines China's evolving role in the solar energy surge of the Gulf region, with a focus on the United Arab Emirates and Saudi Arabia. It identifies three ...



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