

# **China solar manufacturing capacity**





## Overview

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A new report from Wood Mackenzie states that China will hold more than 80% of the world's polysilicon, wafer, cell and module manufacturing capacity from 2023 to 2026. The country invested over \$130 billion into its domestic solar industry in 2023. The report, "How will China's expansion affect.

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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.

After investing over US\$130 billion into the solar industry in 2023, China will hold more than 80% of the world's polysilicon, wafer, cell, and module manufacturing capacity from 2023 to 2026, according to a recent report by Wood Mackenzie titled "How will China's expansion affect global solar.

The Chinese solar industry is at a pivotal point. Rapid solar capacity expansion overwhelms the grid, PV manufacturers compete for market shares, and then large target markets slap import tariffs on Chinese PV products, taking off their competitive edge. So there is a lot of uncertainty in the.

China's solar photovoltaic (PV) market continues to break records, while global module manufacturing capacity is accelerating to meet rising demand. In the first four months of 2025, China added an astonishing 104.93 GW of new PV capacity—45.22 GW of which came in April alone—bringing cumulative.

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China invested over \$130 billion into the solar industry in 2023. As a result, it will hold more than 80% of the world's polysilicon, wafer, cell, and module manufacturing capacity from 2023 to 2026, according to Wood Mackenzie 's recent report, "How will China's expansion affect global solar. How much solar power does China have?

This represents a significant increase from the current capacity of 1.3 TW and reflects the growing demand for solar energy worldwide. China currently dominates the global solar module manufacturing market, accounting for 80% of the world's capacity.

How will China's solar expansion affect global solar supply chains?

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Does China make solar panels?

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. Today, China's share in all the manufacturing stages of solar panels (such as polysilicon, ingots, wafers, cells and modules) exceeds 80%.

Will China hold 80% of the solar industry in 2023?

After investing over US\$130 billion into the solar industry in 2023, China will hold more than 80% of the world's polysilicon, wafer, cell, and module manufacturing capacity from 2023 to 2026.

Does China have a solar industry?

And despite all the turmoil, the Chinese solar industry has the manufacturing capacity to meet the demand. Discover all statistics and data on Solar energy in China now on [statista.com](https://www.statista.com)!.

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



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### China Sets New PV Installation Record as Global Manufacturing Capacity

China's solar photovoltaic (PV) market continues to break records, while global module manufacturing capacity is accelerating to meet rising demand. In the first four months ...

### [Solar exports from China increase by a third](#)

Pathways aligned with limiting global heating to 1.5 degrees require a tripling of renewable capacity by 2030, in which solar is expected to play the largest role. China has at least 80% of the global market share in ...



### [China hits 277.17 GW of new PV installations in 2024](#)

China's cumulative installed solar capacity hit 886.66 GW at the end of 2024, with 277.17 GW of new annual installations, up 45.48% year on year. The deployment surge exceeded forecasts, setting a

### [Digging into China's solar capacity numbers](#)

Amid a record amount of new solar capacity added in China in 2024, the share held by small-scale, "distributed" arrays fell to 38%, from 58% in 2022. Grid constraints, policy changes, and



pricing adjustments ...



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