

ContainerPower Energy Solutions

Comparison of solar module exports before and after



Overview

How many solar modules are exported from China in 2023?

The solar module exports from China in 2023 amounted to around 220 Gigawatts of generation capacity, up 33.5 per cent from 2022's 164 GW.

Do internal and external forces affect China's solar PV export?

This study examines the impact of both internal and external forces on China's solar PV export during 2007–2016. The results show that the spatial pattern of PV exports is quite different before and after 2011, with export increasingly concentrated in the Yangtze River Delta.

How many PV modules did China Export in 2023?

Separately, market research firm InfoLink has also released an analysis report based on customs data, which pointed out that from January to December 2024, China exported a total of 235.93GW of PV modules, an increase of 13% compared to 207.99GW in the same period in 2023. Comparison of Chinese PV module exports in 2023 and 2024. Source InfoLink.

Why does China Export solar panels & modules?

China maintained its dominant grip on the export of solar panels and modules: The total solar module exports from China in 2023 amounted to around 220 Gigawatts (GW) of generation capacity, up 33.5 per cent from 2022 (when about 164 GW capacity was exported), possibly driven by global markets' efforts to expand clean energy generation.

Which countries import the most solar modules in 2024?

From January to December 2024, China exported 10.57 GW of modules to Spain, down 10% YoY from 11.75 GW, accounting for 11% of the Europe's total, while the Netherlands led with a 40% share. The Asia-Pacific imported 4.56 GW of modules from China in December 2024, down 10% MoM from 5.08 GW and down 30% YoY from 6.56 GW.

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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