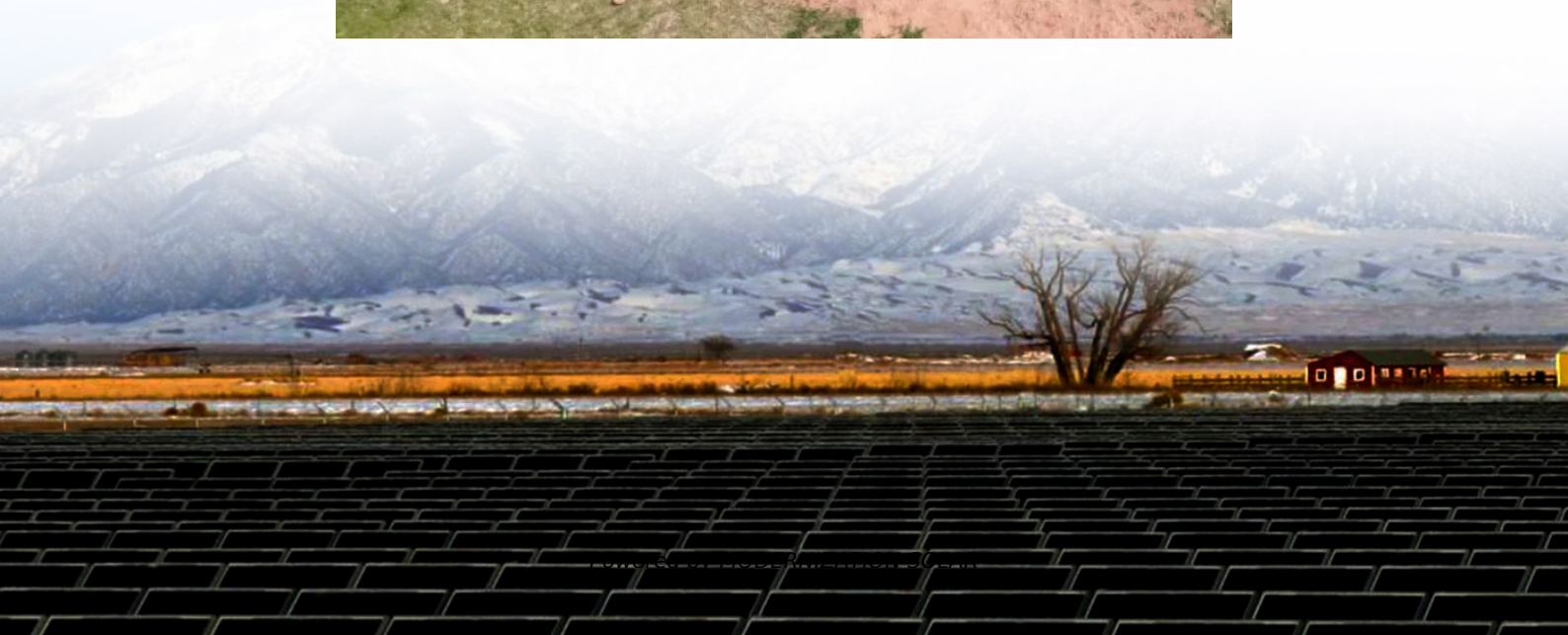


Downgraded PV module exports





Overview

Where do solar PV exports come from?

The latest monthly solar PV export data from the world's largest exporter, China, by country or region of destination. Ember China solar export dataset provides the following information: The IEA has stated that China's solar photovoltaic exports account for 80% of the global market.

When is a PV module considered degraded?

According to Wohlgemuth et al. (2005), a PV module is considered degraded when its power reaches a level below 80% of its initial power. In the following step, the most frequent PV module degradation types according to literature will be presented.

Does a PV module degradation rate increase?

Quintana et al. documented the increased degradation rate for an entire system compared with module degradation for the Natural Bridges National Park PV system in Utah, USA.

What is the Ember China solar export dataset?

Ember China solar export dataset provides the following information: The IEA has stated that China's solar photovoltaic exports account for 80% of the global market. Ember's China solar exports dataset is sourced from the General Administration of Customs of the People's Republic of China (GACC): Data is available from 2017 to present.



Downgraded PV module exports



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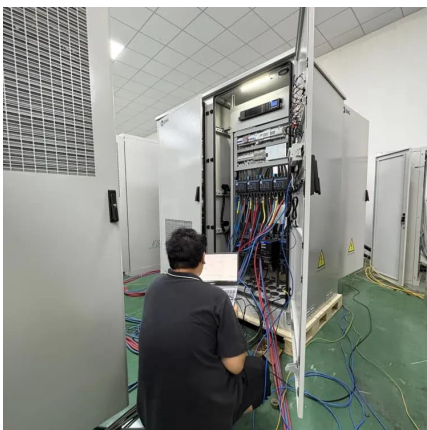
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China's Solar PV Exports

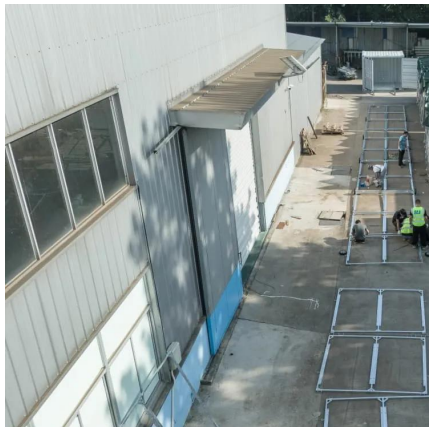
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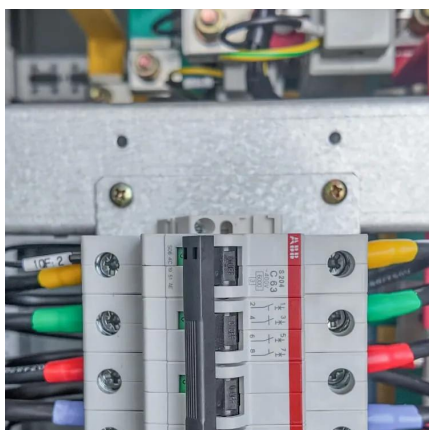


[Solar Market Insight Report Q4 2025](#)

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Jul 1, 2025 · Moreover, China's photovoltaic module exports are expected to experience cyclical fluctuations, with two export peaks and one trough before 2060. Additionally, the reshoring ...



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May 21, 2025 · Chinese solar manufacturers exported 61.9 GW of solar modules in Q1 2025, reflecting an 8% year-on-year (YoY) decline compared to Q1 2024's shipments of 67.62 G



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