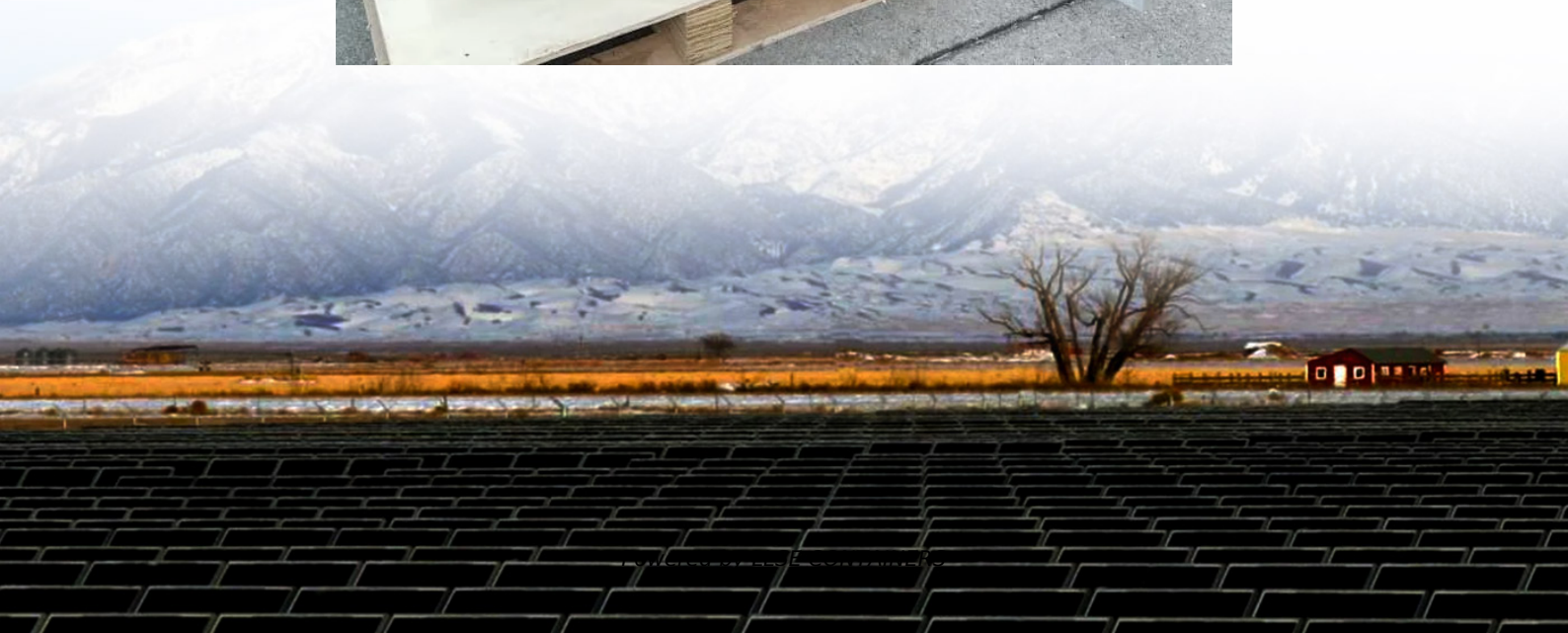


# **Khartoum downgrades PV module exports**





## Overview

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Why are photovoltaic module import shipments not published?

U.S. shipments and sales to the original equipment manufacturer (OEM) for resale and export shipments are not published for certain months to protect individual company data. Table 7. Photovoltaic module import shipments by country Imports at the national level are included in Table 6.

How much did PV modules cost in Q4 2024?

In Q4 2024, the average U.S. module price (\$0.28/Wdc) was down 3% q/q and about three times higher than the global spot price. Analysts report price premiums in the United States for domestically manufactured modules, with a particular premium for those using domestically produced PV cells.

How many GW of PV shipments are there in 2024?

Note: Price based on winning quoted price. SPV Market Research reported that 2024 global PV shipments were approximately 770 GW—an increase of 37% from 2023, with 90% of the increase coming from China. 98% of PV shipments were mono c-Si technology, with 58% TOPCon.

Why did PV shipments decline in Q1 2025?

Margins for the leading PV wafer, cell, and module manufacturers continued to decline through Q1 2025, due to record-low pricing. From 2019 to 2024, shipments from the top 10 PV manufacturers grew from 78 GW to 533 GW, with some companies shipping more than 75 GW annually. Approximately half of 2024 shipments came from the top six companies.



## Khartoum downgrades PV module exports

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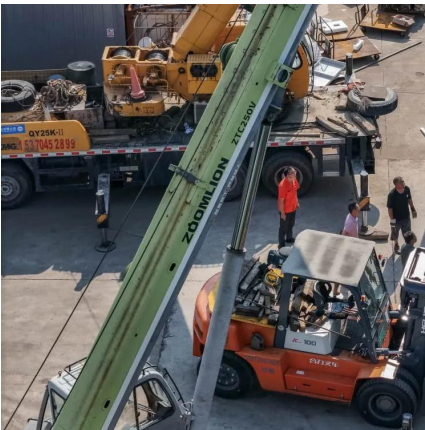
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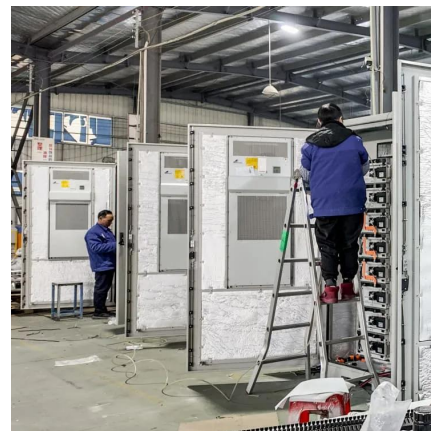
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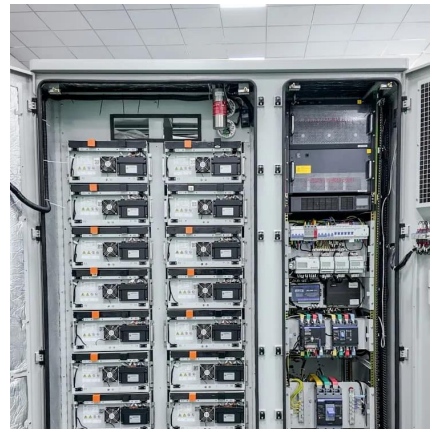


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