



# North africa pv module exports





## Overview

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Wood Mackenzie forecasts the Middle East and North Africa region will emerge as a tariff haven and overtake Southeast Asia as a top solar export hub, becoming the primary exporter of solar panels to the US towards the end of this decade. Solar manufacturing in the Middle East and North Africa.

Over the 12 months to June 2025, imports of solar photovoltaic (PV) panels into Africa reached record levels, driven overwhelmingly by Chinese exports. The scale is striking: total panel imports to the continent hit roughly 15 gigawatts (GW) in the year to June 2025, a 60 per cent increase on the.

There has been a major pick-up in solar panel imports into Africa over the last 12 months – a shift that is likely to impact almost every country on the continent. This report presents Ember’s analysis of Africa’s imports of solar panels from China. The Chinese solar panel export data gives.

Solar photovoltaic (PV) technology is a key clean energy technology and an important source of clean electricity critical for the global green transition. As the world grapples with climate change, the demand for cleaner and more sustainable energy sources has never been greater. In this context.

In the 12 months leading up to June 2025, Africa Solar Imports reached unprecedented levels, primarily driven by Chinese photovoltaic (PV) panels. Total imports soared to around 15 gigawatts (GW), representing a 60% year-on-year increase. Excluding South Africa, other African markets accounted for.

As photovoltaic arrays stretch across Saudi Arabia’s NEOM city and solar mounts rise like a forest on the edge of the Sahara Desert in Kairouan, Tunisia, China’s photovoltaic (PV) industry is rapidly expanding across the Middle East and North



Africa (MENA), marking a so-called “bipolar. Do African countries need a manufacturing base for solar PV?

The production of solar PV cells, modules, and other components requires advanced manufacturing processes, skilled labor, and well-developed infrastructure. Unfortunately, many African countries lack the necessary industrial base to support solar PV manufacturing.

Does Africa have a solar PV market?

Silicon, a key input for the production of c-Si solar PV cells, is also found in Africa, albeit in smaller quantities compared to global leaders like China. Nonetheless, Africa’s mineral wealth represents a significant opportunity for the continent to leverage its natural resources to become a player in the global solar PV market.

Are African countries able to develop a competitive solar PV industry?

Individually, most African countries lack the financial resources, technological capabilities, and infrastructure needed to develop a competitive solar PV manufacturing sector. Moreover, the global solar PV market is highly concentrated, with China dominating nearly every segment of the value chain.

Why should African Governments Invest in solar PV?

African governments should prioritize the deployment of solar PV technologies to meet their domestic energy needs. This will not only improve energy security but also create local demand for solar PV products, helping to stimulate the growth of a domestic solar PV manufacturing industry.



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### [Africa's Solar Take-Off: The Record Import Boom Rewiring The ...](#)

These patterns indicate a move beyond one-off demonstration projects to broader market adoption. Why Chinese Exports Matter Chinese manufacturers supply the bulk of the ...

### [Indian solar PV exports surging . IEEFA](#)

Most Indian PV exports are to the US, which accounted for 97% and 99% of India's PV exports in FY2023 and FY2024, respectively. ...



### [New map tracks Africa solar manufacturing growth](#)

For the first time, Sinovoltaics, a Hong Kong-based technical compliance and quality assurance firm, has unveiled a dedicated Solar Supply Chain Map for the Middle East ...

### [China Powers Ahead in Middle East and North Africa Solar Markets](#)

The North African market is seeing similarly robust growth: in the first half of 2025, China's module exports to Africa jumped 47.5% year-on-year. Leading Chinese manufacturers ...



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Over the 12 months to June 2025, imports of solar photovoltaic (PV) panels into Africa reached record levels, driven overwhelmingly by Chinese exports.

### [The first evidence of a take-off in solar in Africa](#)

This section takes the latest export data from China's customs data, to quantify and analyse the import of solar panels into African countries. The vast majority of Africa's solar ...



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InfoLink's customs data shows that China exported 22.26 GW of modules in January 2025, up 2% YoY from 21.91 GW. However, exports in February dropped to 16.26 ...

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The African market prefers small off-grid systems, with China's exports primarily comprising lightweight, easy-to-install residential and commercial PV systems, aligning with ...



### [India solar module exports to US and Europe to ...](#)

However, India's PV module exports to the US and Europe will likely decline starting from 2026 due to the operation of new domestic ...

### [Kenya's Solar Market: Demand & Export Hub for East Africa](#)



Explore Kenya's booming solar market. This analysis covers domestic demand, manufacturing viability, and its potential to lead the East Africa renewable energy market.



### [Solar photovoltaic manufacturing in Africa: ...](#)

How can Africa leverage its natural resource endowments, trade, and latent productive capabilities for solar PV manufacturing, and ...



### [Solar manufacturing surges in Middle East and North Africa](#)

Solar manufacturing is booming in the Middle East and North Africa. Explore the opportunities in this growing tariff haven today!



### [Exports of photovoltaic equipment on the rise](#)

China is expanding rapidly in the global new energy market with a ramp-up of product exports including solar modules and lithium ...

### [North Korea s Non-Standard Photovoltaic Module Exports ...](#)



Meta Description: Explore the unique market dynamics of North Korea's non-standard photovoltaic module exports. Discover key trends, industry challenges, and opportunities for ...



### [Solar Energy Supply Chain Map , MENA & Sub Saharan Africa](#)

Comprehensive Solar Supply Chain Map by Sinovoltaics, featuring MENA and Sub-Saharan Africa regions with analysis for global solar procurement strategies.



### [Chinese solar module exports down 12% MoM despite growth in ...](#)

The region accumulated 10.05 GW from January to November, up 33% YoY from 7.54 GW. Among African countries, South Africa accounted for the largest share, importing ...



### [Africa Solar Imports: 10 Shocking Trends Transforming 2025](#)

The uptake of Africa Solar Imports is particularly strong in North Africa and the Sahel regions. Egypt and Morocco anchor large utility projects, while Senegal, Mali, and ...



### [Africa Emerges as New Hotspot for China's Wind.](#)



Customs data reveal that global PV module exports fell by 8% year-on-year in the first quarter of 2025, while the African market bucked ...



### [Economic analysis of solar energy development in North Africa](#)

Hence, the resource of solar energy is rich in North Africa, and the potential is quite large to build solar power generation base in the most of North Africa region countries, such as ...

### [Middle East, North Africa solar manufacturing capacity to reach ...](#)

Wood Mackenzie forecasts the Middle East and North Africa region will emerge as a tariff haven and overtake Southeast Asia as a top solar export hub, becoming the primary ...



### [The African Nations That Are Leading in Solar ...](#)

Discover how African nations like South Africa, Morocco, and Egypt are leading in solar exports, driving renewable energy growth globally.

### [Ember: African imports of Chinese solar panels ...](#)



South Africa accounted for just under one-third of Chinese module exports to Africa in June 2025, according to Ember. Image: JUWI ...

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The African market prefers small off-grid systems, with China's exports primarily comprising lightweight, easy-to-install residential ...



### [Indian Solar PV Exports Surging](#)

Key Findings The export of Indian photovoltaic (PV) modules has risen exponentially by more than 23 times between Fiscal Year (FY) 2022 and FY2024, primarily to the US, which ...





## Contact Us

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