



The impact of Huawei's solar inverter over-allocation





Overview

Lawmakers warn Huawei's grip on solar inverters risks Europe's energy security, urging the Commission to restrict 'high-risk' vendors as member states step up safeguards.

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Lawmakers warn Huawei's grip on solar inverters risks Europe's energy security, urging the Commission to restrict 'high-risk' vendors as member states step up safeguards. Lawmakers and security officials are increasingly worried that Huawei's dominant role in solar inverters could create a new.

PVTIME - Chinese technology giant Huawei has been expelled from SolarPower Europe (SPE), a prominent Brussels-based renewable energy lobby group, marking the first such expulsion in the association's history. The decision follows an ongoing EU bribery investigation into the company. The SPE, which.

On May 1, 2025, Lithuania officially implemented the amendment to the Electricity Law, requiring that new photovoltaic projects above 100kW must use inverters that meet national safety standards, and existing projects must be transformed before May 2026. This policy is not an isolated incident, but.

The European Solar Manufacturing Council (ESMC) has urged EU member states to restrict remote control capabilities of solar inverters sourced from "high-risk non-European manufacturers," primarily targeting Chinese firms, over alleged cybersecurity vulnerabilities linked to grid integration and.

Huawei remains a top-tier producer of photovoltaic inverters, commanding 23% of global market share as of Q1 2025 according to Wood Mackenzie's latest renewable energy report. But how did they achieve this dominance amidst fierce competition?

Let's unpack their strategic moves. With global solar.

Global demand for solar-power hardware shows few signs of slowing. Wood



Mackenzie's newest inverter market report says shipments rose 10 % in 2024 to an all-time high of 589 GWac, fuelled by rapid installation booms across China, India and the Gulf, even as European and U.S. sales eased. Chinese. Why did Huawei leave the US inverter market?

While Huawei decided to leave the U.S. inverter market in 2019 - the year its 5G telecoms equipment was banned - it remains a dominant supplier elsewhere. Huawei declined to comment. In Europe, exercising control over just 3 to 4 gigawatts of energy could cause widespread disruption to electricity supplies, experts said.

Could Huawei solar inverters be a threat to the power grid?

The debate mirrors the 2019 US ban on Huawei solar inverters, which cited potential remote control threats to the power grid, particularly during wartime.

Why did the US ban on Huawei inverters?

The 2019 US ban on Huawei inverters was driven by fears that adversaries could remotely disrupt critical applications like home electricity and electric vehicle charging. Although Huawei has exited the US market, other Chinese manufacturers have filled the gap, offering cost-competitive products that continue to dominate globally.

Why was Huawei expelled from Solarpower Europe?

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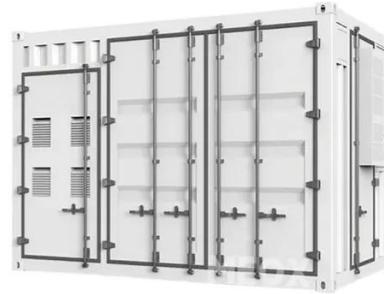


Huawei, Sungrow Extend Decade-long Lead in Global Inverter ...

Industry stalwarts Huawei and Sungrow topped the leaderboard for the tenth straight year and tightened their grip in the process. The pair shipped a combined 324 ...

[EU Restricts Chinese Inverters In The Name Of Safety](#)

Short-term pain: China's inverter market share in Europe may drop from 70% to 40%, and companies such as Huawei and Sungrow are facing pressure on equipment ...



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SHANGHAI -- Huawei Technologies' world-leading solar power inverter business will find alternative suppliers for components that it now buys in ...

[Allocation and smart inverter setting of ground-mounted ...](#)

To test this hypothesis, the allocation of one, two, and three PV systems, considering the following PV inverter operation modes: unitary power factor,



PFC, and VCC, is ...



[EU Solar Lobby Calls for Blanket Ban on Chinese ...](#)

The group projects this capacity could surpass 400 GW by 2030. The council further invoked unrelated geopolitical disputes, citing ...

[Rogue communication devices found in Chinese ...](#)

While inverters are built to allow remote access for updates and maintenance, the utility companies that use them typically install ...



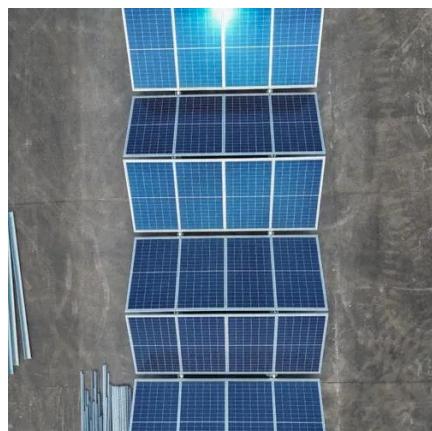
[Huawei will source parts outside US, solar unit head says](#)

SHANGHAI -- Huawei Technologies' world-leading solar power inverter business will find alternative suppliers for components that it now buys in the U.S. after Washington placed the



Rogue communication devices found in Chinese solar power inverters

While inverters are built to allow remote access for updates and maintenance, the utility companies that use them typically install firewalls to prevent direct communication back ...

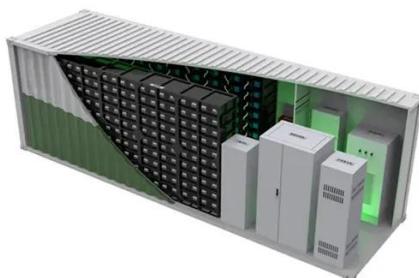


Lawmakers urge EU to curb Huawei's role in solar inverters over

Lawmakers and security officials are increasingly worried that Huawei's dominant role in solar inverters could create a new supply-chain vulnerability for Europe's power grids. ...

EU Restricts Chinese Inverters In The Name Of Safety

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EU Solar Lobby Calls for Blanket Ban on Chinese Inverters, Citing

The group projects this capacity could surpass 400 GW by 2030. The council further invoked unrelated geopolitical disputes, citing Huawei's 5G bans in multiple countries ...



[Huawei Ousted from SolarPower Europe Amid EU Investigation](#)

While there is currently no EU legislation banning the sale of Huawei products in Europe, the exclusion from the SPE and the ongoing investigations are expected to affect the ...



[Europe considers ban on Chinese solar inverters, citing ...](#)

Europe is grappling with growing concerns over the cybersecurity risks posed by Chinese-made photovoltaic inverters, prompting discussions about restricting high-risk ...

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Huawei remains a top-tier producer of photovoltaic inverters, commanding 23% of global market share as of Q1 2025 according to Wood Mackenzie's latest renewable energy ...



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