

BLINK SOLAR

The PV Inverter Scandal



Overview

Who makes the most solar inverters in the world?

Huawei is the world's largest supplier of inverters, accounting for 29% of shipments globally in 2022, followed by Chinese peers Sungrow and Ginlong Solis, according to consultancy Wood Mackenzie. German solar developer 1Komma5 said, however, that it avoids Huawei inverters, because of the brand's associations with security risks.

What is the global solar inverter market share?

Global Inverter Market Share: Major Chinese suppliers e.g. Huawei, Sungrow, Ginlong Solis, account for over 70% of global solar inverter installations. Their products underpin everything from utility-scale farms to distributed residential systems. Monoculture Risk: When a few vendors dominate, undisclosed hardware flaws have systemic impact.

Are Chinese-made solar inverters a supply-chain vulnerability?

Leading renewable energy operators worldwide are confronting a disturbing supply-chain vulnerability: undocumented communication modules found in Chinese-made solar inverters and batteries.

Should ESMC restrict remote control of solar inverters sourced from 'high-risk non-European manufacturers'?

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 software updates.

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U.S. discovers illegal devices in Chinese solar inverters, ...

An unidentified illegal communication device has been found in Chinese solar inverters, prompting U.S. energy authorities to reevaluate security risks for renewable energy ...

National Security, Chinese solar power poses ...

The European Solar Manufacturing Council, the association representing the continent's solar power manufacturers, has issued a serious warning that ...



'Cybersecurity is a real problem, but the Reuters report ...

pv magazine discusses cybersecurity concerns in PV systems, addressing Reuters' claims about vulnerabilities in Chinese-made inverters and batteries with insights ...

EU Solar Lobby Calls for Blanket Ban on ...

The European Solar Manufacturing Council (ESMC) has urged EU member states to restrict remote control capabilities of solar inverters ...

Highvoltage Battery



Restrict Remote Access of PV Inverters from High-Risk ...

Brussels, 30 April 2025 - While photovoltaics (PV) play an increasingly central role in Europe's clean energy transition and energy independence, a hidden vulnerability threatens this ...

'Cybersecurity is a real problem, but the ...

pv magazine discusses cybersecurity concerns in PV systems, addressing Reuters' claims about vulnerabilities in Chinese ...



Security Concerns Over Chinese-Made Solar Inverters

Recent revelations concerning Chinese-manufactured solar power inverters have

raised significant security concerns following the discovery of potentially harmful ...



Ghost in the machine? Rogue communication ...

Ghost in the machine? Rogue communication devices found in Chinese inverters Power inverters, which are predominantly produced ...



Chinese Inverter Backdoors: A Renewable ...

Global Inverter Market Share: Major Chinese suppliers e.g. Huawei, Sungrow, Ginlong Solis, account for over 70% of global solar ...



National Security, Chinese solar power poses serious risk of ...

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Ghost in the machine? Rogue communication devices found ...

Ghost in the machine? Rogue communication devices found in Chinese inverters Power inverters, which are predominantly produced in China, are used throughout the world to ...

Cybersecurity Alert: Hidden Threats in ...

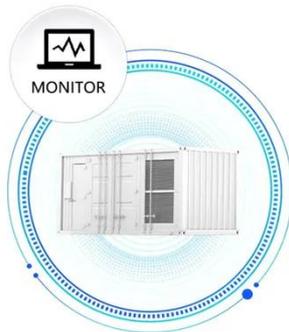
Cybersecurity Alert: Hidden Threats in Chinese Solar Inverters Discovered
Summary Emerging Threat: Discovery of rogue ...



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

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SUPPORT REAL-TIME ONLINE
MONITORING OF SYSTEM STATUS



states to restrict remote control capabilities of solar inverters sourced from "high-risk non-European ...

Cybersecurity Alert: Hidden Threats in Chinese Solar Inverters

Cybersecurity Alert: Hidden Threats in Chinese Solar Inverters Discovered
Summary Emerging Threat: Discovery of rogue devices in popular Chinese solar inverters ...



The Deye micro inverter scandal in Germany

In 2023, a scandal emerged regarding Deye micro inverters in Germany, attracting widespread attention and raising concerns about solar installation safety. Triggered by a group ...

Chinese Inverter Backdoors: A Renewable Energy ...

Global Inverter Market Share: Major Chinese suppliers e.g. Huawei, Sungrow,

Ginlong Solis, account for over 70% of global solar inverter installations. Their products ...



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