



FTMRS SOLAR

**The first company to connect  
the inverter of solar container  
communication station to the  
grid**





## Overview

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Are Chinese solar power inverters connected to critical infrastructure grids?

U.S. energy officials have launched an investigation after discovering unauthorized communication equipment embedded within Chinese-manufactured solar power inverters connected to critical infrastructure grids across the country.

How do inverters provide grid services?

In order to provide grid services, inverters need to have sources of power that they can control. This could be either generation, such as a solar panel that is currently producing electricity, or storage, like a battery system that can be used to provide power that was previously stored.

Do solar inverters contain undocumented cellular radio devices?

These inverters, which are essential components that convert direct current from solar panels into alternating current usable by the electrical grid, were found to contain undocumented cellular radio devices not disclosed in product specifications or technical documentation.

What are hidden communication devices in solar energy equipment?

U.S. energy officials have discovered hidden communication devices in solar energy equipment supplied from China. These are primarily inverters used to connect solar panels and wind turbines to power grids, as well as batteries, heat pumps, and chargers for electric vehicles.



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A Ghost in the Machine: Chinese FIS Covert ...

National security operatives have found communication devices embedded within Chinese-manufactured solar power inverters and batteries, again ...

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

May 14, 2025 · The rogue components in these power inverters provide additional, undocumented communication channels that could allow firewalls to be circumvented remotely, with ...

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U.S. Authorities Investigate Communication Devices in Solar Power Inverters

May 15, 2025 · U.S. energy officials have intensified scrutiny of Chinese-manufactured components in renewable energy infrastructure after the identification of undocumented ...

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

4 days ago · 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 ...

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U.S. officials Investigating Rogue ...

May 15, 2025 · U.S. energy officials have launched an investigation after discovering unauthorized communication equipment embedded within ...

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A Ghost in the Machine: Chinese FIS Covert Collection Devices in Solar

National security operatives have found communication devices embedded within Chinese-manufactured solar power inverters and batteries, again raising significant concerns about the ...

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Solar Integration: Inverters and Grid Services ...

1 day ago · For instance, a network of small solar panels might designate one of its inverters to operate in grid-forming mode while the rest follow its ...

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Hidden communication devices found in solar inverters from ...

May 16, 2025 · U.S. energy officials have discovered hidden communication devices in solar energy equipment supplied from China. These are primarily inverters used to connect solar ...

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Ghost communication tech discovered in Chinese-made inverters...

May 14, 2025 · US officials uncover rogue communication devices in Chinese-made inverters and batteries used in critical energy infrastructure. Experts warn these hidden components could ...

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Solar Integration: Inverters and Grid Services Basics

1 day ago · For instance, a network of small solar panels might designate one of its inverters to operate in grid-forming mode while the rest follow its lead, like dance partners, forming a ...

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Ghost in the machine? Rogue communication ...

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

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Undocumented Communication Components Discovered In Chinese Inverters

Nov 14, 2025 · Undocumented communication devices have been discovered inside solar inverters and batteries manufactured in China, according to two sources familiar with the ...

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Ghost in the machine? Rogue communication ...

May 14, 2025 · LONDON: US energy officials are reassessing the risk posed by Chinese-made devices that play a critical role in renewable energy ...

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

May 14, 2025 · LONDON: US energy officials are reassessing the risk posed by Chinese-made devices that play a critical role in renewable energy infrastructure after unexplained ...

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U.S. officials Investigating Rogue Communication Devices in Solar ...

May 15, 2025 · U.S. energy officials have launched an investigation after discovering unauthorized communication equipment embedded within Chinese-manufactured solar power inverters ...

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Hidden communication devices found in solar ...

May 16, 2025 · U.S. energy officials have discovered hidden communication devices in solar energy equipment supplied from China. These are ...

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Ghost in the machine? Rogue communication ...

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