

Brunei wants to connect several solar-powered communication cabinet inverters to the grid

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Are 'rogue' communication devices hidden inside solar power inverters?

In a discovery that has sent shockwaves through the cybersecurity community, U.S. energy officials have found undocumented "rogue" communication devices hidden inside solar power inverters imported from China.

Will Chinese inverters affect European grids?

Some, like Florida Power & Light Company, are reportedly reducing their reliance on Chinese inverters, although the utility declined to comment. "Ten years ago, if you switched off the Chinese inverters, it would not have caused a dramatic thing to happen to European grids," said Philipp Schroeder, CEO of German solar developer 1Komma5.

Does a solar power inverter have a manual?

A team of engineers in the U.S. took apart a solar power inverter. It looked like any other--sleek, compact, humming with the promise of sustainability. But buried deep inside, they found something that wasn't supposed to be there. It wasn't in the manual. It wasn't listed in any documentation.

What is a solar inverter?

Solar inverters are the unsung heroes of renewable energy--often called the "brain" or "heart" of solar power systems. They convert direct current (DC) electricity generated by solar panels into alternating current (AC) that powers our homes and feeds into the electrical grid.

For months, experts examining renewable energy equipment imported from China have been quietly finding rogue components in solar inverters and large batteries, two people familiar with the...

Over the past nine months, undocumented communication devices, including cellular radios, have also been found in some batteries from multiple Chinese suppliers, one of them said.

U.S. energy officials are reportedly reassessing the security risks posed by Chinese-made components in renewable energy infrastructure after ...

While maximizing power transfer remains a top priority, utility grid stability is now widely acknowledged to benefit from several auxiliary services that grid-connected PV inverters may off

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