

US restricts solar inverters



Overview

Fifty-two Republican lawmakers sent a letter to the Commerce Department calling for restrictions on imports of Chinese inverters, and the USCC warned in a report that "China could inflict damage at any time by halting inverter sales and restricting access." Europe just moved to restrict funding for solar projects using inverters from high-risk suppliers. Here's what the new rules mean for U. Some warn that large-scale blackouts could occur if Chinese-made inverters are exposed to remote manipulation. The European Commission has decided to restrict EU funding, including through the European Investment Bank and European Investment Fund, for solar, wind, and energy storage projects using inverters from so-called high-risk countries, namely China, Russia, Iran, and North Korea, citing cybersecurity. A group of House Republicans says a broader import ban on Chinese-made inverters is needed to protect critical US grid assets amid mounting security concerns. The move follows warnings from analysts that Europe's heavy. A new report from Intertek CEA suggests that while U. inverter demand will grow at a 6% CAGR through 2028, developers face a tightening regulatory environment driven by "Foreign Entity of Concern" (FEOC) rules and cybersecurity mandates. solar and energy storage developers are navigating a.



Article Content

US Republicans press Trump to block Chinese inverter imports

A group of House Republicans says a broader import ban on Chinese-made inverters is needed to protect critical US grid assets amid mounting security concerns.

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US government restricts trade with prominent Chinese storage companies CATL, BYD, JA Solar, Trina Solar, Three Gorges and Huawei are

US government restricts trade with prominent Chinese storage

CATL, BYD, JA Solar, Trina Solar, Three Gorges and Huawei are among those listed under the US Department of Defense's trade restriction, effective from 2027.

Undocumented Devices in Chinese Solar Inverters Raise Security

On May 14, 2025, U.S. energy officials began investigating Chinese-made solar power inverters after discovering undocumented communication devices, including cellular radios, inside some units,

EU funding ban on high-risk inverters, including Chinese

Inverters are the heart of every solar and energy storage installation and, as internet-connected devices, a potential gateway for cyberattacks. It is

Europe considers ban on Chinese solar inverters, citing

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

Rogue communication devices found in Chinese solar

Rogue communication devices found in Chinese solar inverters Undocumented cellular radios also found in Chinese batteries U.S. says

US uncovers hidden radios in Chinese solar inverters,

Rogue hardware in Chinese inverters could trigger worst blackout threat to date A reported backdoor in solar hardware has set off alarms from

EU Inverter Crackdown: What It Means for U.S. Homeowners

Europe just moved to restrict funding for solar projects using inverters from high-risk suppliers. Here's what the new rules mean for U.S.

Over 50 House Republicans urge Trump administration to block

More than 50 House Republicans are urging the Trump administration to prohibit the import of solar and battery energy storage inverters manufactured by companies from "foreign

EU Inverter Crackdown: What It Means for U.S. Homeowners

According to PV Magazine, the new guidance phases out certain foreign-made inverters from EU-funded projects, with a transition window for some existing installations tied to the European grid. For

U.S. inverter market faces policy, supply headwinds despite safe

Cybersecurity has emerged as a regulatory focus, with proposed U.S. and EU policies aiming to restrict Chinese-made inverters in critical infrastructure. However, a January 20, 2026,

» New US Grid-Tied Inverter Regulations: Your 2026

New US regulations for grid-tied inverters are set to take effect in January 2026, impacting manufacturers, installers, and consumers by

EU funding rules exclude high-risk inverters from May 2026

The European Commission is set to reshape the continent's renewable energy landscape with a new policy that restricts EU-backed funding for projects utilizing solar inverters from

US solar grid faces blackout risk from Chinese-made inverters

As the United States has rapidly expanded solar power to meet surging electricity demand, concerns are rising that dependence on China for inverters, a key piece of equipment, is

U.S. authorities find no definitive evidence of hidden devices in ...

U.S. government analysis of Chinese-made inverters has found “no definitive evidence” of malicious wireless functions, according to a report seen by pv magazine examining the scope of

Chinese-made solar inverters could be weaponized against U.S.,

Energy companies, cybersecurity experts and lawmakers warn that U.S. dependence on Chinese inverters that can be manipulated remotely is a mounting security threat.

EU Restricts Chinese Inverters In The Name Of Safety

According to data from the European Solar Manufacturing Council (ESMC), Chinese inverters account for 70% of the European market share, and

U.S. inverter market faces policy, supply headwinds

U.S. solar and energy storage developers are navigating a complex intersection of trade policy and domestic content requirements as the industry

Q& A | Solar Tariffs and the US Energy Transition

US climate goals are premised on the strategy of making solar and other clean energy technologies cheap; all else equal, more expensive solar

50+ House Republicans ask Commerce to halt Chinese solar inverter

On Nov. 14, more than 50 House Republicans in the conservative caucus sent a letter to Dept. of Commerce Sec. Howard Lutnick asking the department to halt the import of Chinese solar

SolarEdge U.S.-made inverters are now Build America,

SolarEdge Technologies, Inc., a global provider of solar inverters, module-level power electronics, and battery energy storage, announced that its

EU moves to restrict funding for projects using inverters

The EU is moving forward with a plan to restrict funding for PV projects using inverters from high-risk suppliers, citing cybersecurity concerns

EU moves to ban high-risk inverters from China

Inverters' central role in the EU's energy transition has raised concerns about vulnerabilities if supplied by companies linked to governments considered hostile to EU interests.

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