

EU Telesolar container communication station Inverter Conditions





Overview

Are solar inverters a threat to Europe's energy sovereignty?

The European Solar Manufacturing Council (ESMC) today issued a clear and urgent warning: Europe's energy sovereignty is at serious risk due to the unregulated and remote control capabilities of PV inverters from high-risk, non-European manufacturers – most notably from China. Study by DNV provides the evidence.

Should inverter manufacturers be allowed to connect to European electricity systems?

This would involve: A comprehensive risk assessment of inverter manufacturers. A requirement that high-risk vendors must not be permitted to maintain an online connection to European electricity systems. Consideration of outright bans for such vendors from connecting to the grid.

Should ESMC develop an EU 'inverter security toolbox'?

In light of these findings, the ESMC calls for the immediate development of an EU "Inverter Security Toolbox", modeled after the successful 5G Security Toolbox. This would involve: A comprehensive risk assessment of inverter manufacturers.

Is Europe losing remote control of its electricity infrastructure?

"This means Europe has effectively surrendered remote control of a vast portion of its electricity infrastructure." The risk is not theoretical. Modern inverters are required to be connected to the internet to fulfill essential grid functions or to participate in the power market.



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The ESMC has called for a restriction of remote access to PV inverters in Europe from 'high-risk' manufacturers, mainly those in China.

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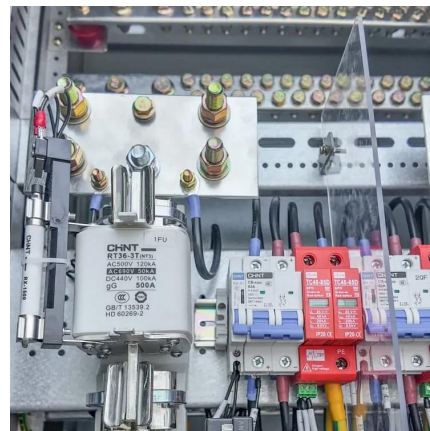
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