

Avoidance of solar inverters in Southern Europe

Can solar PV systems be controlled from outside the EU?

This includes limiting remote access and control of the bloc's solar PV systems from outside the EU via the inverter. These are some of the recommendations made by a DNV-written and SolarPower Europe (SPE) commissioned report titled Solutions for PV Cyber Risks to Grid Stability.

Are European inverter manufacturers facing competition?

However, European inverter manufacturers are facing pressure and growing competition. While some EU inverter companies keep growing and announcing reinvestment plans, their relative market share in Europe is shrinking. It is estimated that EU inverter manufacturers are only able to capture 20% of the market currently.

What are the benefits of solar inverter manufacturing in Europe?

Grid-forming abilities. Enhanced cyber-preparedness. Ensuring interoperability. Europe has a strong foundation in its inverter manufacturing industry. In 2023, there was equivalent of 82.1 GW of solar inverter manufacturing capacity in the EU (compared to around 60 GW of solar installed in the same period).

Are European inverter manufacturers able to capture 20% of the market?

It is estimated that EU inverter manufacturers are only able to capture 20% of the market currently. Right now, European inverters have a critical opportunity to further tap into the technological advancements needed for the electrification and digitalisation of the energy system.

The association previously published a position paper in July 2024, demanding a cybersecurity standard for the secure operation of solar components like inverters and distributed ...

The European Solar Manufacturing Council (ESMC) has issued a stark warning, highlighting a critical threat to Europe's energy autonomy stemming from the unregulated remote access capabilities of PV ...

The EU has identified solar inverters as a high-risk dependency, a move which the European Solar Manufacturing Council (ESMC) has lauded.

While photovoltaics (PV) play an increasingly central role in Europe's clean energy transition and energy independence, a hidden vulnerability threatens this progress: the software-based remote access to ...

Solar Power Europe, the leading association for the European Solar PV sector, has turned its attention to the threat to non-Chinese inverter majors in the developed world. In a ...

The ESMC flags Europe's energy sovereignty as at risk from remote control of PV inverters by non-European manufacturers, calling for EU action.

The industry employed around 35,000 jobs in the EU in 2023, making it the most significant contributor of solar manufacturing employment in Europe. However, European inverter ...

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The European Solar Manufacturing Council (ESMC) issued a clear and urgent warning: Europe's energy sovereignty is at serious risk due to the unregulated and remote control capabilities ...

Europe's rapid solar rollout has created a paradox: while rooftops and fields now bristle with panels, the digital "brains" that connect them to the grid are overwhelmingly made in China. ...

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