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Title: New Delhi solar container communication station inverter reform

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Are inverter communication modules a threat to national energy sovereignty?

It added that inverter communication modules that transmit data to servers outside India not only pose risks of unauthorized control but also threaten national energy sovereignty by exposing sensitive power consumption and generation data.

When will inverter communication guidelines for rooftop solar system monitoring & control be available?

The vendor-neutral and open communication protocol based data communication and security guidelines for rooftop solar system monitoring and control through the national portal, will be made available for integration testing of inverter communication devices from Sept. 1, 2025. This content is protected by copyright and may not be reused.

What are the new guidelines for rooftop solar installations in India?

As India advances rooftop solar installations via the PM Surya Ghar: Muft Bijli Yojana, the Ministry of New and Renewable Energy (MNRE) has introduced draft guidelines. These compel original equipment manufacturers (OEMs) supplying inverters to connect them to national servers managed by the MNRE or a designated entity.

Should solar inverters link directly to national servers?

India's renewable energy ministry has issued draft rules requiring all solar inverters installed under its 30 GW rooftop program to link directly to national servers, aiming to improve grid stability and cybersecurity. Industry groups back the plan but warn of high compliance costs, supply chain constraints, and uneven connectivity.

While the solar industry broadly supports the move, it has voiced concerns over implementation hurdles, costs, and technical ...

As more than 80% of rooftop solar inverters used in India are made in China, India has moved to shield them from cyber risks by ...

While the solar industry broadly supports the move, it has voiced concerns over implementation hurdles, costs, and technical feasibility.

As more than 80% of rooftop solar inverters used in India are made in China, India has moved to shield them from cyber risks by mandating to connect such devices to a national ...

India's Ministry of New and Renewable Energy (MNRE) has released draft guidelines outlining the data communication and cybersecurity architecture for remote ...

The directive follows the discovery of undocumented communication components inside some Chinese-manufactured inverters in May, which triggered national security concerns.

The MNRE is finalising a vendor-neutral open communication protocol along with security guidelines for data communication to enable real-time monitoring and control of ...

"Inverter communication modules that transmit data to servers outside India not only pose risks of unauthorized control but also threaten national energy sovereignty," the ...

The developments come in the backdrop of undocumented communication equipment found inside some Chinese-made inverter devices in May, raising security concerns.

The Ministry of New and Renewable Energy (MNRE) has mandated that all original equipment manufacturers (OEMs) enlisted for the supply of inverters under the PM-Surya ...

The directive requires all inverter manufacturers to integrate their devices with national servers managed by the renewable energy ministry, marking a significant move to ...

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