

# India s telesolar-powered communication cabinet inverters connected to the grid



✓ IP65/IP55 OUTDOOR CABINET

✓ IP54/55

✓ OUTDOOR ENERGY STORAGE CABINET

✓ OUTDOOR MODULE CABINET



## Overview

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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 software platform hosted on servers in India that will be managed by an Indian government.

## India's telesolar-powered communication cabinet inverters connect



### Govt mandates all rooftop solar inverters under PM

The ministry has said integration of such a large number of RTS plants introduces grid stability and cybersecurity challenges, especially due to

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### India mandates rooftop monitoring and inverter

India's renewable energy ministry has issued draft rules requiring all solar inverters installed under its 30 GW rooftop program to link directly to

[MNRE Issues Directive to Secure Rooftop Solar Data: Inverter](#)

It requires all inverter communication devices deployed under the PM Surya Ghar: Muft Bijli Yojana (PMSG: MBY) to route operational data exclusively through servers located within India.



### How India's move to secure rooftop solar data with

Inverters and their communication modules are



key vulnerable points. If compromised, they can be manipulated to disrupt generation or

### Home , National Portal of India

This section provides insights into India's governance and planning, detailing schemes, services, and open data from government entities at central, state, and local levels, aimed at promoting socio



### [India , History, Maps, Population, Economy, & Facts , Britannica](#)

India is a country that occupies the greater part of South Asia. It is a constitutional republic that represents a highly diverse population consisting of thousands of ethnic groups. It is made up of

### [MNRE issues new mandates for inverter communication under PM](#)

This decision follows concerns that inverter communication devices were transmitting data to servers located outside India, raising the potential risk of grid disruptions. All such devices must



### **MNRE Mandates OEMs to Integrate Inverters with PM**

The move comes in the background of inverter communication devices transmitting data to servers outside India, potentially risking grid

### **Govt Mandates OEMs Under PM Surya Ghar**

to

Ministry of New and Renewable Energy (MNRE) has mandated all inverter OEMs under the PM Surya Ghar Muft Bijli Yojana to connect their



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### Over 80% solar inverters Chinese-made, India moves

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



### India Maps & Facts

India is a large country located on the Indian subcontinent in south-central Asia. India is geographically positioned both in the Northern and Eastern hemispheres of the Earth.

[About Grid Connected Solar Inverter Labeling program](#)

The scope of Solar Inverter under S&L program includes only grid connected solar inverter without storage with rated capacity up to 100 kW, which is align with recent MNRE Quality Control Order



[Draft guidelines on RMS for inverter communication devices/dongles](#)

Draft guidelines on RMS for inverter communication devices/dongles/ data-logger with Centralised Platform under PM Surya Ghar: Muft Bijli Yojana

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