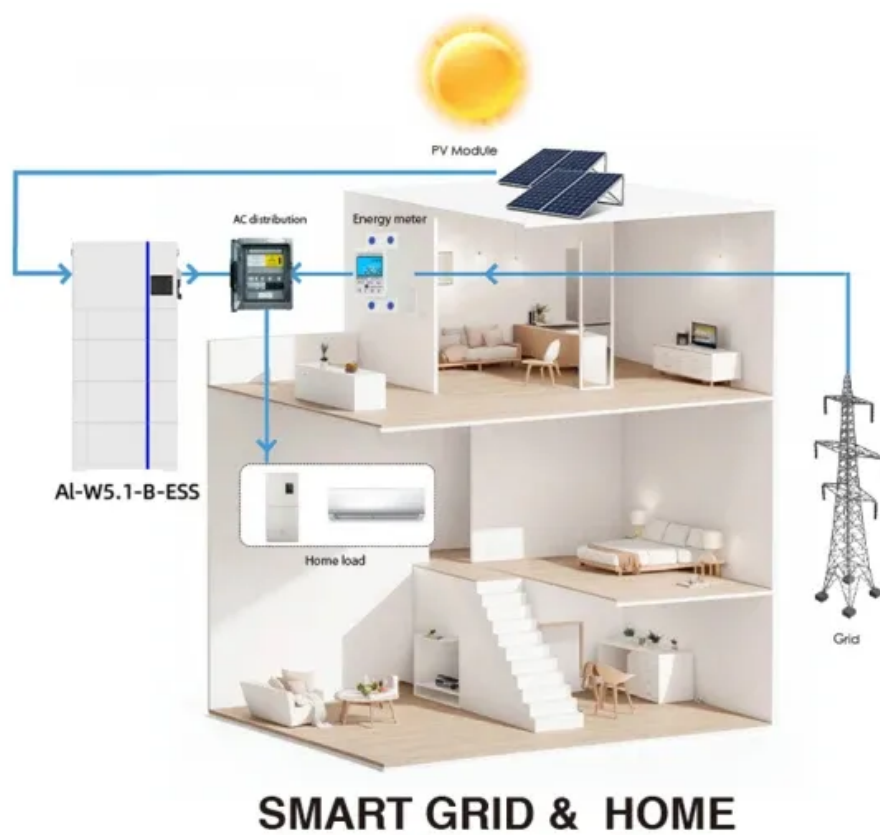


# India s residential energy storage inverter standards



## Overview

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These inverters are required to meet specific energy performance standards based on the Indian Standard IS 17980:2022 or its equivalent international standard IEC 62891:2020. The Program will help consumers in getting better-quality inverters which can be used as part of the solar tonnes per annum. The other advantage is that we save money, given the quantity of energy saved. The notification, published on 12 November 2025, has been released under the powers given to the Central Government through the Energy. based on system type, technology, rated output power and its application. In terms of system type, solar inverter is categorized into Grid Connected, Off-Grid and Hybrid solar inverters. Introducing the Energy storage for homes—anchored by hybrid inverter systems—will lead the next phase of solar growth in India.

## India s residential energy storage inverter standards

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### [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 ...

### [Government Launches Standards and Labelling Program for Solar Inverters](#)

All single-phase and three-phase grid-connected solar inverters without storage, with a rated output power of up to 100 kW, manufactured, imported, or sold in India must participate in the ...



### [India Introduces Mandatory Standards for Grid-Connected Solar ...](#)

This reform marks a turning point for India's rooftop and utility-scale solar sector. Let's explore the policy in detail -- what it means, why it matters, and how it will transform the solar ecosystem.



### [Energy Storage Systems \(ESS\) Policies and Guidelines](#)

Energy Storage Systems (ESS) Policies and Guidelines , MINISTRY OF NEW AND RENEWABLE ENERGY , India Energy Storage Systems (ESS) Policies and Guidelines



### [India Mandates Minimum Efficiency And Labelling Rules For Solar](#)

These inverters are required to meet specific energy performance standards based on the Indian Standard IS 17980:2022 or its equivalent international standard IEC 62891:2020.

### [Energy storage for homes: Why hybrid inverter systems will lead the](#)

Energy storage for homes--anchored by hybrid inverter systems--will lead the next phase of solar growth in India. Not as an upgrade, but as a necessity for a nation building toward ...



### [Ministry of Power and BEE Set New Energy Efficiency Standards for ...](#)

It ensures that all solar inverters manufactured or imported into India have good power efficiency and carry a BEE label. These rules follow IS 17980:2022 and IEC 62891:2020 standards, ...



## Ministry of Power

The Standards and Labeling Program for Grid Connected Solar Inverter has been launched under voluntary phase, valid from 15th March, 2024 till 31st December, 2025.



### [Standards and Labeling Program for Grid Connected Solar Inverter...](#)

At the forefront of this endeavour is the Bureau of Energy Efficiency's (BEE) Standards & Labeling (S& L) program, a flagship initiative propelling India's sustainable aspirations forward.



### [MNRE establishes efficiency standards for solar modules, inverters, ...](#)

The Ministry of New and Renewable Energy (MNRE) has issued the Solar Systems, Devices, and Components Goods Order, 2025, setting performance standards for solar modules, ...



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