

Compulsory registration for photovoltaic inverters in India



UL's test facilities located in Bangalore, India, are accredited by the National Accreditation Board for Testing and Calibration Laboratories (NABL) and the Bureau of Indian Standards (BIS). We help global manufacturers and brand owners quickly obtain the necessary registrations for testing required to gain India market access.

Performance testing and standardization is essential to confirm quality and reliability of products. In a bid to standardize norms for solar equipment, the Ministry of New and Renewable Energy (MNRE) for India, in consultation with BIS, has published the compulsory registration order for Solar Photovoltaics, Systems, Devices, and Components Goods (Requirements for Compulsory Registration) Order, 2017.

This scheme requires products to be tested to the applicable BIS standard for safety and performance and registered with BIS before entering the Indian market. Furthermore, this scheme calls for market surveillance in which BIS authorized representatives will pick the product from the market and send it to a designated laboratory for testing and verification.

About the scheme

- Post 30th June 2020, Inverter manufactures required to submit test reports as per corresponding India Standards issued by the BIS recognized testing laboratory in place of IEC reports/certificates.
- After the enforcement of the scheme, no person shall directly or indirectly manufacture or store for sale, import, sale or distribution of goods, which do not conform to the specified IS standard or bear the "Standard Mark" as notified by BIS.
- The Standard Mark shall be applied on the products upon obtaining the Unique Registration Number from the BIS.



Key details about the scheme

Regulator

Ministry of New and Renewable Energy (MNRE)

Certification Body

Bureau of Indian Standards (BIS)

Test Laboratory

BIS Recognized Testing Laboratories in India

Marking Requirements

Standard certification mark as issued by BIS is to be marked on the product and packaging after BIS registration is granted

How UL can help

1. Identify applicable requirements for a specific product or technology to comply with BIS regulations .
2. Handle entire testing process as required by this program.
3. Assist manufacturers in formulation of series according to relevant series guidelines and provide periodic updates to customers on the regulations.

Product categories/Standard to be covered under the scheme

SI.NO.	Product Categories	Standards
1	Power converters for use in photovoltaic power system	IS16221, Part 1 and Part 2 (Replica of IEC 62109-1 & -2 2011)
2	Utility – Interconnected Photovoltaic inverters	IS16169 (Replica of IEC 62116: 2008-09)

For further information on our longstanding technical knowledge and services, please contact ul.indiamarketing@UL.com



Empowering Trust[®]

UL and the UL logo are trademarks of UL LLC © 2020.
CT26138316-0520