

# Brazil PV Inverter Certification

What certifications do PV modules need in Brazil?

Manufacturers of PV modules seeking legal access to the Brazilian market must obtain INMETRO certification. This certification is essential for each module type or product line that undergoes the same manufacturing process. The Brazilian standards applicable to PV modules are akin to and tested in accordance with the corresponding IEC standards.

When do photovoltaic products need to be registered in Brazil?

From July 1, 2011, all photovoltaic products entering the Brazilian market need to pass relevant testing and be registered with INMETRO. After six months (from January 1, 2012), manufacturers and importers in the Brazilian market and the photovoltaic products sold shall be subject to relevant testing and registration with INMETRO.

How safe is a photovoltaic system in Brazil?

Another relevant standard is rapid shutdown (RSD), which many Brazilian states are considering as an additional safety solution. One issue with a photovoltaic system is that it generates electrical voltage as long as light shines on the panels, even if the inverter or utility grid is turned off. This poses risks for maintenance and firefighting.

Are Sungrow inverters approved in Brazil?

S&#227;o Paulo, Brazil, July 24th, 2025 /PRNewswire/-- Sungrow, the global leading PV inverter and energy storage system provider, proudly announced that all dynamic models of its inverters sold in Brazil have been officially approved by Brazil's National Electric System Operator (ONS).

Solar inverters in Brazil must include arc fault circuit interrupters (AFCIs) from Dec. 1, according to new rules from Inmetro. Several distributors have reportedly begun selling non ...

The compulsory certification of inverters and other equipment for photovoltaic applications was regulated by 004 / 2011 Ordinance do INMETRO (National Institute of Metrology, ...

Brazil updated Technical Regulation and Conformity Assessment Requirements for Electricity Generation in Photovoltaic Systems.

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Sungrow, a China-based provider of inverter and energy storage systems, has received approval from Brazil's National Electric System Operator (ONS) for all inverter models. The ...

Sungrow inverters pass all ONS Brazil modeling tests, meeting strict post-blackout grid standards. Ensures compliance & system reliability.



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The top producer of PV inverters and energy storage systems worldwide, Sungrow, has announced that the National Electric System Operator (ONS) of Brazil has formally certified all of its ...

ATIC has been authorized by major Brazilian local certification bodies (OCPs) to perform INMETRO certification activities such as factory audits, sampling, and product testing in China and Asia area. ...

A Guide to INMETRO Certification for Solar Modules in Brazil Brazil's solar market is surging, adding over 13 GW of photovoltaic capacity in 2023 alone. For entrepreneurs looking to join ...

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