

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.

Are Sungrow inverters approved in Brazil?

São 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).

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.

Abstract This paper discusses the Brazilian photovoltaic grid-connected inverters standard comparatively with their European and North American counterparts.

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 ...

Brazil INMETRO Certification Ensure that your products successfully meet Brazilian standards by working with a market leader, TÜV SÜD. TÜV SÜD fully understands the local requirements and procedures ...

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. We serve more than ...

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

Brazilian solar inverter certification standards

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Entering Brazil's solar market? This guide details the INMETRO certification requirements for solar modules, transforming a complex process into a manageable plan.

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Brazil's National Institute of Metrology, Quality and Technology (Inmetro) says it has introduced a requirement for inverters to have arc fault circuit interrupters, effective December 2024, to ...

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