



Brazil's solar container radiator quality inspection requirements

<div class="df_qntext">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.

<div class="df_qntext">What is Brazil's New Energy Regulation & conformity assessment requirements?

Brazil published the Ordinance no. 515, of November 10, 2023 that amends Inmetro Ordinance No. 140, of March 21, 2022, which approves the Technical Quality Regulation and Conformity Assessment Requirements for Electricity Generation, Conditioning and Storage Equipment in Photovoltaic Systems.

<div class="df_qntext">What are the requirements for a product certification in Brazil?

For most products entering the Brazilian territory, they must fulfil product regulations as stipulated by National Institute of Metrology, Standardisation and Industrial Quality (INMETRO). The INMETRO conformity mark is applicable to both voluntary and mandatory certification programmes.

<div class="df_qntext">What are the requirements & procedures applicable in Brazil?

We fully understand the local requirements and procedures applicable in Brazil. Mandatory testing and certification are required for certain regulated product categories. Testing must be performed by a Product Certification Body that is accredited by INMETRO. Initial and follow-up factory inspections are required for mandatory certification.

<div class="df_qntext">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.

<div class="df_qntext">Does TÜV SÜD comply with Brazilian requirements?

TÜV SÜD has the experience and capability to support manufacturers in attaining compliance with Brazilian requirements and obtaining the necessary approval. Minimum Energy Performance Standards (MEPS) are required for some products. Mandatory energy efficiency labelling is required for certain products.

This comprehensive guide provides insights into Brazilian customs duties, detailing their significance in international trade, duty rates for imports and exports, required documentation, ...



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Applus+ through Enertis, its solar services and energy storage solutions specialist, offers solar power plant owners and operators a wide range of customized technical inspection and quality control ...

13.1.1 This Regulatory Standard (NR13) sets the minimum requirements for managing the structural integrity of steam boilers, pressure vessels and their interconnection pipes in aspects related to the ...

Standard Dry Vans Refrigerated Units (Reefers) Specialized Containers: Ensuring compliance with all relevant safety and quality standards for each type. Importance of Accurate Container Inspection ...

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On December 10, 2024, ANEEL presented the results of the first phase of Public Consultation (CP) No. 39/2023 and announced the opening of a second phase for further contributions. Stakeholders can ...

Products manufactured in T&V S&D or exported to Brazil need a CB-issued certificate, stating that the product or family meets the Brazilian requirements. Additional market access requirements could be ...

We are able to send an inspector anywhere in Brazil in your factory within 48H and return to you an inspection or audit report within 24H. Our goal is to report to our customers what we see, hear, smell, ...

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, ...

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