

Certification of Power Electronics Equipment

Conformity Assessment and Certification services on electronic devices for connection to the electrical network such as PV inverters, luminous flux regulators, smart meters, components for the electrical vehicle such as batteries, charging stations, etc, to certify the compliance with national and international standards and European Directives.

Research on new products on interfaces with the network



Aimed at:

- Manufacturers of equipment
- Utilities
- Wholesalers and importers

Services:

- Conformity Assessment with standards and customers specifications
- Technical assistance
- Technical consulting
- Market surveillance

Tests:

- Recognized testing of equipment according to each country requirements
- Quality evaluation of PV panels
- Measurement and monitoring of the quality of the power supply
- Consultancy related with plants
- On-site testing of equipment (batteries, UPS, power electronics equipment, wiring, ...)
- Efficiency measurement
- Functional tests





Support to the International Certification of PV Inverters:

CE Marking: EN 50178, EMC
Germany: DIN VDE 0126-1, VDE-AR-N 4105, FGW-TG Part 3
Italy: CEI 0-21
Spain: RD 1663
Other markets: EN 50438
Other standards: IEC 62116, IEEE 1547, CSA 22.2, EN 50530, IEC 61683
Voltage Dips: RD 1565/2010



Facilities:

LV Microgrid powered with AC and DC buses

AC power supply sources:

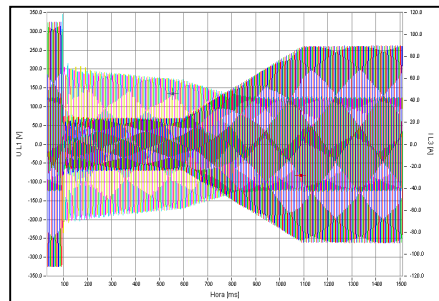
165 kW regulable; 450 kW fixed

DC power supply sources:

150 & 300 kW regulable

3 m Climatic chamber

RLC loads for $Q > 2.5$ for 150 kW inverters in anti-islanding tests



..First level laboratory in Europe
..International Recognition
..Competence and Independence

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