

Photovoltaic modules

Conformity tests for project validation and type approval in accordance with EN 61215 - EN 61646 - EN 61730

The Italian Ministry for Economic Development has defined an interesting set of incentives to promote use of renewable energy sources in place of energy derived from fossil fuels.

In order to benefit from these incentives, PV modules must comply with applicable standards for the specific product.

Specific type-tests must be performed by an accredited laboratory prior to market entry of the product.

Our laboratory at Eurofins-Modulo Uno is equipped with all the instrumentation required by the standards of reference in order to perform testing under both natural and simulated solar radiation.



The lab features six parallel and independent test positions for the installation of the various components under evaluation.

The test positions and relative instruments employ state of the art technology and allow maximum flexibility in handling even the most complex projects.



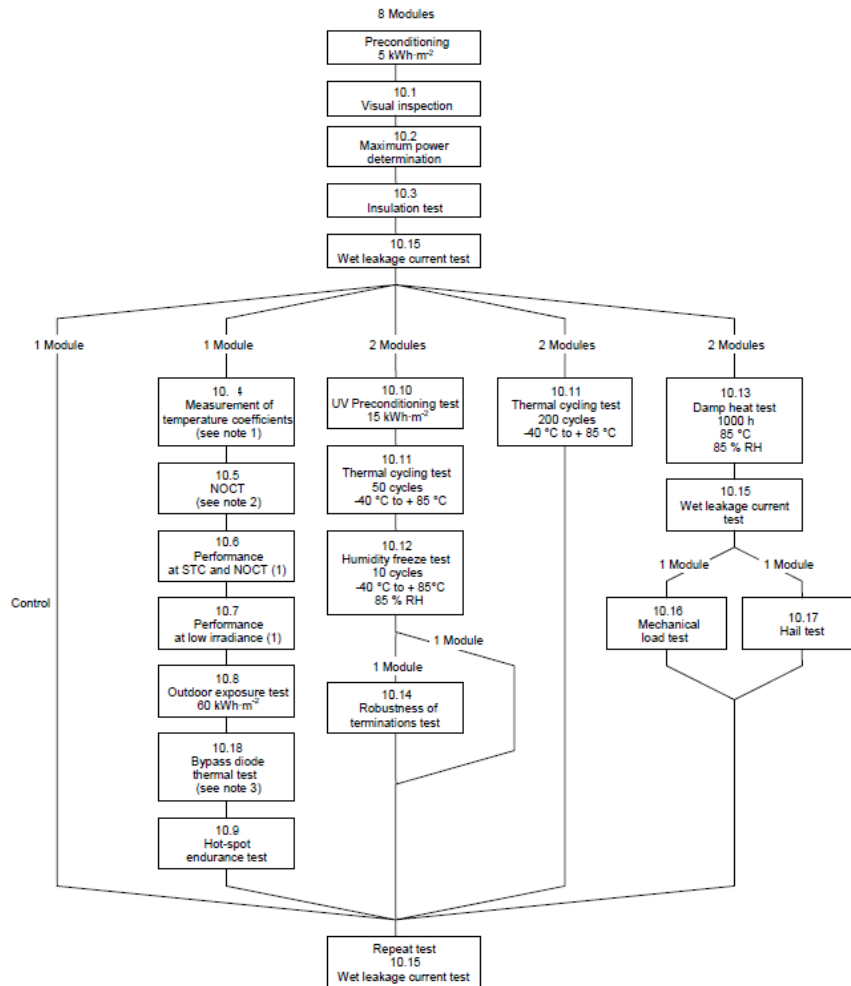
**Laboratory CBTL
(Certification Body Test Laboratory)**
for the testing of photovoltaic modules
belonging to following test standards:
IEC 61215(ed.1) - 1993-04-30
IEC 61215(ed.2) - 2005-04-27
IEC 61730-1(ed.1) - 2004-10-14
IEC 61730-2(ed.1) - 2004-10-14

The data acquisition system, which represents the core of the entire test set-up, allows interaction with the various sensors and actuators distributed along the chain of measure.

Our management software and control algorithms, which have been developed internally, embody the brain of the system and allow complete automation of the tests.

The climatic chambers together with other instruments allow us to perform accelerated aging and climatic stress testing on modules of various sizes.

Turnaround time for the complete test program prescribed by the standards of reference is approximately 90 days.



EN 61215 - Qualification test sequence

Contatti

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