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# TEST REPORT

Nr AR 12 TEST 038 - Rev.1  
16/0091

Cat. 0

**IEC 62716: 2013**  
**Photovoltaic (PV) modules – Ammonia corrosion testing**

Issued to:

**Gala Tech S.r.l.**

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sede operativa: Viale delle Scienze, 5 - 02015 Cittaducale (RI) - ITALY

Sample description:

**Tested PV module type: Solsonica610M (Maximo) (260W)**

**Included Extended Types**

- see Annex 3 -

**Test result: Pass**



Annexes: 3

The test results indicated in this paper are exclusively referred to the described sample/s and in the specified conditions of measure. Any other extension of the results to other sample/s or other conditions of measure are to be considered outside the scope of this document.

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This document supersedes Test report No. AR12TEST038 issued on February 27,2012

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**Annex 2: Statement of the estimated uncertainty of the test results**

The measurement uncertainties stated in this document have been determined according to EA-4/02. they were estimated as expanded uncertainty obtained multiplying the standard uncertainty by the coverage factor k corresponding to a confidence level about 95%. Normally, this factor k is 2.

10.2 Maximum power determination = 3.0%

10.3 Insulation resistance test / 10.15 Wet leakage current test: Resistance = 18.0%

Temperature = 0.66%

Humidity = 3.44%

**Annex 3: The photovoltaic modules with the models**

Tested type	Cell number	Cell size [mm]	Module size [mm]	Cell technology	Rated power [W]
Solsonica610M (Maximo)	60	156x156	1663x998	Si-mono	260

\* Extended PV module type without need of re-testing (according to IEC61215 “Retesting Guideline”):

Type *	Cell number	Cell size [mm]	Module size [mm]	Cell technology	Rated power [W]
Solsonica610M (Maximo & Silver Plus Mono) S610SPM-XXX	60	156	1663x998	Si Mono	230-280
Solsonica608M (Maximo & Silver plus Mono) S608SPM-XXX	48	156	1663x998	Si Mono	185-225
Solsonica608 Silver plus S608SPP-XXX S608SPQ-XXX	48	156	1347x998	Si Poli	168-210
Solsonica612 Silver plus S612SPP-XXX S612SPQ-XXX	72	156	1979x998	Si Poli	249-310
Solsonica610 Silver plus S610SPP-XXX S610SPQ-XXX	60	156	1663x998	Si Poli	200-260