



IEC TS 62804-1:2015

Photovoltaic (PV) Modules - Test Methods for the detection of potential-induced degradation

Part 1: Crystalline silicone
Confirmation of test results

Ref.: 10460/2020-40035

Applicant: GCLE-EXE Energy Industry Co. Ltd.
501-2 Manufacturing Park, 65 Dacang Road,
213000 Zhonglou, Jiangsu, China

Product: Crystalline silicon Photovoltaic (PV)-Modules

Type:

A) A-Mxxx/72 B	B) A-Mxxx/60
C) A-Pxxx/72	D) A-Pxxx/60
E) A-Mxxx/60 B	F) A-Pxxx/72 B
G) A-Pxxx/60 B	H) A-SNHMxxx
I) A-SNHfxxx	J) A-HCMxxx/144
K) A-HCMxxx/120	L) A-HCPxxx/144
M) A-HCPxxx/120	N) A-TWRxxxM
O) A-TWRxxxP	

Manufacturer: 30017942

Standard: IEC TS 62804-1:2015, modified

Test conditions

Testing time:	192 h
Chamber temperature:	85°C
Relative Humidity:	85 %
Potential to ground:	- 1000 V for A), B), C), D), J), K), L), M) - 1500 V for E), F), G), H), I), N), O)

Pass criteria

Power degradation:	< 5%
Dry Insulation resistance:	>40 MΩm ²
Wet insulation resistance:	>40 MΩm ²



Summary of test results:

Maximum power degradation:	required	max. 5 %
	measured	max. 2.23 %

The measured degradation is below the allowed degradation.

Dry insulation resistance:	required	>40 MΩm ²
	measured	>1000 MΩ

The measured dry insulation resistance is above the limit.

Wet insulation resistance:	required	>40 MΩm ²
	measured	>1000 MΩ

The measured wet insulation resistance is above the limit.

Visual inspection: No findings

The relevant bill of materials is given in file 10460_Annex1_2020-40035_20200128.

VDE Renewables GmbH


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