



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.: 10036/2021-40013

Applicant: LG Electronics Inc.
168, Suchul-daero, Gumi-si, Gyeongsangbuk-do,
730-903, South Korea

Product: Crystalline Silicon Photovoltaic (PV)-Modules

Type: A) LGXXN2W-E6
B) LGXXN2W-E6.AW5
C) LGXXN2T-E6
D) LGXXN1C-E6
E) LGXXN1W-E6
F) LGXXN1K-E6
G) LGXXN1T-E6

XXX in the type replace the power in Watt and can be any number between: 430 – 470 for A), B), 420 – 440 for C), 355 – 390 for D), E), 350 – 380 for F) and 345 – 365 for G).

Manufacturer: LG Electronics Inc.

Standard: IEC TS 62804-1:2015

Test conditions:

Testing time: 96 h

Chamber temperature: 85°C

Relative Humidity: 85 %

Potential to ground: +/- 1500 V

Pass criteria:

Power degradation: <3%

Wet insulation resistance: >40 MΩ

Visual Inspection: No findings



Summary of test results:

Maximum power degradation: allowed max. 3 %
measured max. 1.23 %

The measured degradation is below the allowed degradation.

Wet insulation resistance: required min. 18.2 MΩ
measured >999 MΩ

The measured wet insulation resistance is above the limit.

Visual inspection: no findings

The complete test results and the relevant bill of materials are given in Test Report No.: TRPVM-2021-40013-1.

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