

## 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.: 10036/2021-40216

Applicant: LG Electronics Inc.

168, Suchul-daero, Gumi-si, Gyeongsangbuk-do,

730-903, South Korea

Product: Crystalline Silicon Photovoltaic (PV)-Modules

Type: A) LGXXXN3C-V6

LGXXXN3W-V6
B) LGXXXN3K-V6

XXX in the type replace the power in Watt and can be any number

between: 395 – 415 for A), 390 – 410 for B).

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: +/- 1000 V

Pass criteria:

Power degradation: <3%

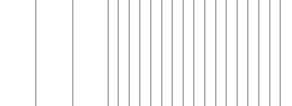
Wet insulation resistance:  $>40 \text{ M}\Omega$ 

Dry insulation resistance:  $>40 \text{ M}\Omega$ 

Visual Inspection: No findings

BIC: DEUTDEFFXXX





## Summary of test results:

Maximum power degradation: allowed

max. 3 %

measured

max. 0.89 %

The measured degradation is below the max. allowed degradation.

Wet insulation resistance:

required

min. 20.4  $M\Omega$ 

measured

>999 MΩ

The measured wet insulation resistance is above the min. required wet insulation resistance.

**Dry insulation resistance:** 

required

min. 20.4  $M\Omega$ 

measured

>999 MΩ

The measured dry insulation resistance is above the min. required dry insulation resistance.

Visual inspection:

No findings

The complete test results and the relevant bill of materials are given in Test Report No.: TRPVM-2021-40216-1.

**VDE Renewables GmbH** 

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