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 MΩ
Dry insulation resistance:	>40 MΩ
Visual Inspection:	No findings

VDE RENEWABLES GMBH
Siemensstraße 30
63755 Alzenau, Germany
Managing Director: Burkhard Holder

Tel: +49 69 6308 5300
Fax: +49 69 6308 5320
Email: renewables@vde.com
www.vde.com/renewables

Location: Alzenau
District Court: Aschaffenburg
Registration No: HRB 13820
Tax Number: 204/141/20793

Bank Information:
Deutsche Bank AG
IBAN: DE14 5007 0010 0235 5006 01
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 MΩ
	measured	>999 MΩ

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

Dry insulation resistance:	required	min. 20.4 MΩ
	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

Akio Sato ***Arnd Roth***

63755 Alzenau, 2020-04-06