

IEC 60068-2-68 Blowing Sand Test Lc 2 Confirmation of test results

Ref.:	10036/2018-40206
Applicant:	LG Electronics Inc. 168, Suchul-daero, Gumi-si, Gyeongsangbuk-do, 730-903, South Korea
Product:	Crystalline Silicon Photovoltaic (PV)-Modules
Туре:	A) LGXXXN1C-A5 A) LGXXXN1W-A5 A) LGXXXN1C-V5 A) LGXXXN1W-V5 B) LGXXXN2W-V5 B) LGXXXN2W-A5
	be any number between $315 - 340$ for A), $390 - 405$ for B)
Manufacturer:	LG Electronics Inc.
Standard:	IEC 60068-2-68, Test method Lc 2 plus Techno <i>L</i> ab Sand Test PA03/01 and AECTP 300, method 313
Test sequence and Pass/fail criteria:	Based on IEC 61701:2011
Average particle size:	380 μm
Concentration:	2,5 (± 0,5) g/m ³
Sand composition:	ASIA Desert, 97% SiO2
Wind speed:	9 m/s
Testing time:	6 h (4 positions, 90 minutes testing time each)

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Summary of test results:

Maximum power degradation:	allowed	max. 5 %
	measured	max. 0,55 %

The measured degradation is below the allowed degradation.

Dry insulation resistance:	required	19,4 MΩ
	measured	>500 MΩ

The measured dry insulation resistance is above the limit.

Wet insulation resistance:	required	19,4 MΩ
	measured	>500 MΩ

The measured wet insulation resistance is above the limit.

Visual inspection: No findings

The complete test results and the relevant BOM are given in Test Report No.: TRPVM-2018-40206-1.

VDE Renewables GmbH

Akio Sato

63755 Alzenau, 2018-10-22

- Rote

Arnd Roth