

## IEC 61701:2020

Salt mist corrosion testing of photovoltaic (PV) modules Confirmation of test results

Ref.:	10002/2021-40313		
Applicant:	aleo solar GmbH Marius-Eriksen-Straße 1, 17291 Prenzlau, Germany		
Product:	Crystalline Silicon Photovoltaic (PV)-Modules		
Туре:	LEO L62YXXX LEO Black L82YXXX LEO Black L84YXXX, XXX in the type replaces the power in Watt Y=S (Standard), Y=A (Anti glare glass)	LEO L64YXXX P24YXXX LEO Sol S82YXXX	
Manufacturer:	aleo solar GmbH		
Standard:	IEC 61701:2020		
Test condition	s: As given in IEC 61701:2020		
	Severity:	6	
	Testing time:	56 days	
	Mist ph level:	7	
	Angle of inclination from horizor	ntal: 75°	
Pass criteria			
	Visual inspection: No findi	ngs which may affect safety	
	Power degradation:	< 5 %	
	Dry Insulation:	> 40 MΩm²	
	Wet insulation:	> 40 MΩm²	
	Bonding path resistance:	< 0,1 Ω	
	Bypass diode functionality test:	Bypass diodes shall remain functional	

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Summary of test results:

Visual inspection:	No findings.	
Maximum power degradation:	allowed measured	< 5 % max. 1,51 %
The measured degradation is be	low the limit.	

Dry insulation resistance:	required	≥ 20,0 MΩ
	measured	> 500 MΩ

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

Wet insulation resistance:	required	≥ 20,0 MΩ
	measured	> 500 MΩ

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

Bonding path resistance:	required	< 0,1 Ω
	measured	max. 0,05 Ω

The measured bonding path resistance below the max. allowed bonding path resistance.

Bypass diode functionality test: Bypass

Bypass diodes remain functional

The complete test results and the related bill of materials are given in the Test Report No. TRPVM-2021-40313-1.

## **VDE Renewables GmbH**

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