



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

Type: LEO L62YXXX LEO L64YXXX
LEO Black L82YXXX P24YXXX
LEO Black L84YXXX, LEO Sol S82YXXX
XXX in the type replaces the power in Watt
Y=S (Standard), Y=A (Anti glare glass)

Manufacturer: aleo solar GmbH

Standard: IEC 61701:2020

Test conditions: As given in IEC 61701:2020

Severity:	6
Testing time:	56 days
Mist ph level:	7
Angle of inclination from horizontal:	75°

Pass criteria

Visual inspection:	No findings which may affect safety
Power degradation:	< 5 %
Dry Insulation:	> 40 MΩm ²
Wet insulation:	> 40 MΩm ²
Bonding path resistance:	< 0,1 Ω
Bypass diode functionality test:	Bypass diodes shall remain functional



Summary of test results:

Visual inspection: No findings.

Maximum power degradation: allowed < 5 %
measured max. 1,51 %

The measured degradation is below the limit.

Dry insulation resistance: required $\geq 20,0 \text{ M}\Omega$
measured > 500 $\text{M}\Omega$

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

Wet insulation resistance: required $\geq 20,0 \text{ M}\Omega$
measured > 500 $\text{M}\Omega$

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 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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