



# IEC 61701:2020

## Salt mist corrosion testing of photovoltaic (PV) modules

### Confirmation of test results

**Ref.:** 10002/2024-40490-2

**Applicant:** aleo solar GmbH  
Marius-Eriksen-Str. 1  
17291 Prenzlau, Germany

**Product:** Crystalline silicon terrestrial PV modules

**Type:** LEO L62YXXX LEO L64YXXX  
LEO Black L82YXXX LEO Black L84YXXX  
P24YXXX LEO Sol S82YXXX  
LEO Sol S62YXXX LEO Sol S84YXXX  
LEO Sol S64YXXX LEO-N L64YXXX  
LEO-N L62YXXX LEO-N Black L84YXXX  
LEO-N Black L82YXXX LEO-N Sol S84YXXX  
LEO-N Sol S82YXXX

XXX in the type replaces the rated output of the module (Pmax)  
Y in the model designation represents S, denoting different properties of front sheet (glass) or T, denoting different properties of module

**Manufacturer:** aleo solar GmbH

**Standard:** IEC 61701:2020

**Test conditions:** As given in IEC 61701:2020 and IEC 60068-2-52:2017

Testing method: 6

Testing time (cycles / days): 8 / 56

Mist ph level: 7

Angle of inclination from horizontal: 75°



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No. HRB 13820



**Pass criteria:**

Visual inspection:	No findings which may affect safety.
Power degradation:	< 5 %
Dry Insulation:	> 40 MΩm <sup>2</sup>
Wet insulation:	> 40 MΩm <sup>2</sup>
Ground continuity:	< 0,1 Ω
Bypass diode functionality:	Bypass diodes shall remain functional.

**Summary of test results:**

**Visual inspection:** No findings which affect safety.

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

The measured degradation is below the allowed degradation.

**Dry insulation resistance:** required min. 20,0 MΩ  
measured > 500 MΩ

The measured dry insulation resistance is above the limit.

**Wet insulation resistance:** required min. 20,0 MΩ  
measured > 500 MΩ

The measured wet insulation resistance is above the limit.

**Ground continuity:** required < 0,1 Ω  
measured max. 0,050 Ω


The measured resistance is below the limit.

**Bypass diode functionality:** Bypass diodes remain functional.

The complete test results and the related bill of materials are given in Test Report No. TRPVM-2024-40490-2.

**VDE Renewables GmbH**

  
**Dietmar Wald**

  
**Arnd Roth**

63755 Alzenau, 2024-10-15