



IEC 61701:2020
Salt mist corrosion testing of photovoltaic (PV) modules
Confirmation of test results

VDE Renewables Ref.: 10745/2022-40548

Applicant: MEYER BURGER (INDUSTRIES) GMBH
An der Baumschule 6-8, 09337 HOHENSTEIN-ERNSTTHAL
Germany

Manufacturer: MEYER BURGER (INDUSTRIES) GMBH

Product: Crystalline Silicon Photovoltaic (PV)-Modules

Type: A) MEYER BURGER BLACK
B) MEYER BURGER WHITE
C) MEYER BURGER GLASS

Power in Watt @ STC:

For A) 360 – 395, B) 365 – 400, C) 360 – 390

Standard: IEC 61701:2020, Salt mist corrosion test

Test conditions

Test-Method:	6
Testing time:	1344 h
Chamber temperature:	40°C
Relative Humidity:	93 %
Mist pH level:	7

Pass criteria

Power degradation:	<5%
Dry Insulation:	>40 MΩm ²
Wet insulation:	>40 MΩm ²
Grounding resistance:	<0.1Ω
Bypass diode functionality:	Shall be functional after test



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Summary of test results:

Maximum power degradation: allowed max. 5 %
measured max. 1.38 %

The measured degradation is below the allowed degradation.

Dry insulation resistance: required min. 21.74 M Ω for A), B)
required min. 22.37 M Ω for C)
measured >1000 M Ω

The measured dry insulation resistance is above the minimum required insulation resistance.

Wet insulation resistance: required min. 21.74 M Ω for A), B)
required min. 22.37 M Ω for C)
measured >1000 M Ω

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

Grounding resistance: allowed max. 0.1 Ω
measured max. 0.005 Ω

The measured grounding resistance is below the maximum allowed grounding resistance.


Bypass diode functionality test: Still functional after test

The complete test results and the relevant bill of materials are given in Test Report No.: TRPVM-2022-40548-1 to -4.

VDE Renewables GmbH


Dean Wen

63755 Alzenau, 2022-11-23


Arnd Roth