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

VDE Renewables File Ref.: ET-20220518-088

Applicant: Jiangsu Runergy New Energy Technology Co., Ltd.
Unit 101, Building 1, 58 Xiangjiang Road,Yancheng Economic and Technological Development Zones, Yancheng, Jiangsu, China.

Product: Crystalline silicon Photovoltaic (PV)-Modules

Type:

A) HY-DH144P8-XXX	**A) HY-DH144P8-XXXb/B/T**
B) HY-DH132P8-XXX	**B) HY-DH132P8-XXXb/B/T**
C) HY-DH120P8-XXX	**C) HY-DH120P8-XXXb/B/T**
D) HY-DH108P8-XXX	**D) HY-DH108P8-XXXb/B/T**
E) HY-DH144N8-XXX	**E) HY-DH144N8-XXXb/B/T**
F) HY-DH132N8-XXX	**F) HY-DH132N8-XXXb/B/T**
G) HY-DH120N8-XXX	**G) HY-DH120N8-XXXb/B/T**
H) HY-DH108N8-XXX	**H) HY-DH108N8-XXXb/B/T**

XXX in the type replace the power in Watt and can be any number between:

520 – 550 for A)	470 – 505 for B)	430 – 465 for C)
390 – 420 for D)	540 – 585 for E)	490 – 545 for F)
450 – 495 for G)	405 – 445 for F)	

Manufacturer: Runergy PV Technology (Thailand) Co., Ltd.

Standard: IEC 61701:2020, Salt mist corrosion test

Test conditions

Test method:	6
Testing time:	1344 hrs
Chamber temperature:	40°C
Relative Humidity:	93 %
Mist pH level:	7

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Pass criteria

Power degradation:	< 5%
Dry Insulation:	> 40 MΩm²
Wet insulation:	> 40 MΩm²
Ground continuity:	< 0.1Ω

Bypass diode functionality: Shall be functional after test

Summary of test results:

Maximum power degradation:	allowed	max. 5 %
	measured	max. 0.39 %

The measured degradation is below the allowed degradation.

Dry insulation resistance:	required	min. 15.5 MΩ
	measured	>1000 MΩ

The measured dry insulation resistance is above the limit.

Wet insulation resistance:	required	min. 15.5 MΩ
	measured	>1000 MΩ

The measured wet insulation resistance is above the limit.

Visual inspection:	No findings

Ground continuity test:	allowed	max. 0.1Ω
	measured	max. 0.011Ω

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- ET-20220518-088-2

VDE Renewables GmbH

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Shanghai, 2022-10-24