



Confirmation of Test Results

Ref.: 10018/2023-40456

Applicant: REC SOLAR PTE. LTD.
20 Tuas South Avenue 14, 637312 Singapore

Product: Crystalline Silicon Photovoltaic (PV)-Modules

Type:

A) RECxxxTP2	REC TwinPeak 2 Series
A) RECxxxTP2M	REC TwinPeak 2 Mono Series
A) RECxxxTP3M	REC TwinPeak 3 Mono Series
B) RECxxxTP2S 72	REC TwinPeak 2S 72 Series
B) RECxxxTP2SM 72	REC TwinPeak 2S Mono 72 Series
B) RECxxxNP 72	REC N-Peak 72 Series
B) RECxxxTP3SM 72	REC TwinPeak 3S Mono 72 Series
C) RECxxxTP2S 72 XV	REC TwinPeak 2S 72 XV Series
C) RECxxxTP2SM 72 XV	REC TwinPeak 2S Mono 72 XV Series
C) RECxxxNP 72 XV	REC N-Peak 72 XV Series
C) RECxxxTP3SM 72 XV	REC TwinPeak 3S Mono 72 XV Series
D) RECxxxNP	REC N-Peak Series
E) RECxxxAA	REC Alpha Series
F) RECxxxAA 72	REC Alpha 72 Series
G) RECxxxAA 72 XV	REC Alpha 72 XV Series
H) RECxxxTP Plus	REC TwinPeak Plus Series
I) RECxxxNP Plus	REC N-Peak Plus Series
J) RECxxxTP4	REC TwinPeak 4 Series
K) RECxxxAA Pure	REC Alpha Pure Series
K) RECxxxAA Pure-P	REC Alpha Pure-P Series
L) RECxxxNP2	REC N-Peak 2 Series
M) RECxxxAA Pure-R	REC Alpha Pure-R Series
N) RECxxxNP3	REC N-Peak 3 Series
O) RECxxxTP5	REC TwinPeak 5 Series
P) RECxxxAA Pure 2	REC Alpha Pure 2 Series
S) RECxxxAA Pure-RX	REC Alpha Pure-RX Series

xxx in the type number replaces the power in Watt at STC
Refer to Annex 100 of Certificate 40046983 for certified watt classes.

This Confirmation of Test Results includes

Standard:

IEC TS 62804-1:2015, test time 96hrs (page 2)

IEC TS 62804-1:2015, test time 600hrs (page 3)



IEC TS 62804-1:2015

Photovoltaic (PV) Modules - Test Methods for the detection of potential-induced degradation
Part 1: Crystalline silicone

Manufacturer: REC SOLAR PTE. LTD.

Standard: IEC 61215-2:2021, clause 4.21,
Potential induced degradation test (MQT 21)

Test conditions

Testing time: 96 h
Chamber temperature: 85°C
Relative Humidity: 85 %
Potential to ground: +1000 V / -1000 V

Pass criteria:

Power degradation: < 5%

Summary of test results:

Maximum power degradation: allowed max. 5 %
measured max. 0.77 %

The measured max. degradation is below the allowed degradation.

Visual inspection: No findings

The complete test results and the relevant BOM are given in Test Report No. TRPVM-2023-40456-18.

The overview of the already approved modules with the approved bill of materials is given in Annex 1 to 10018/2023-40456-18, dated 2023-07-18.

VDE Renewables GmbH

Jose Jojo

Arnd Roth

63755 Alzenau, 2023-07-18





IEC TS 62804-1:2015

Photovoltaic (PV) Modules - Test Methods for the detection of potential-induced degradation
Part 1: Crystalline silicone

Manufacturer: REC SOLAR PTE. LTD.

Standard: IEC TS 62804-1:2015

Test conditions

Testing time: 600 h
Chamber temperature: 85°C
Relative Humidity: 85 %
Potential to ground: +1000 V / -1000 V

Pass criteria:

Power degradation: < 5%

Summary of test results:

Maximum power degradation:	allowed	max. 5 %
	measured	max. 3.98 %

The measured max. degradation is below the allowed degradation.

Visual inspection: No findings

The complete test results and the relevant BOM are given in Test Report No. TRPVM-2022-40728-3.

The overview of the already approved modules with the approved bill of materials is given in Annex 1 to 10018/2022-40728, dated 2023-02-28.

VDE Renewables GmbH

Jose Jojo

Arnd Roth

63755 Alzenau, 2023-02-28