



TS IEC 62804-1:2015

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

Ref.: 5017538-3972-0001
10018/2016-40250

Applicant: REC Solar Pte Ltd, 20 Tuas South Avenue 14, 637312
Singapore

Product: Crystalline Silicon Photovoltaic (PV)-Modules

Type:

A) RECxxxPE#	REC Peak Energy Series
A) RECxxxPE Plus#	REC Peak Energy Plus Series
A) RECxxxPED#	REC Peak Energy Dark Series
A) RECxxxPEI#	REC Peak Energy Integrated Series
A) RECxxxPE-EU#	REC Peak Energy EU Series
A) RECxxxPE2#	REC Peak Energy 2 Series
A) RECxxxPE Z-Link#	REC Peak Energy Z-Link Series
A) RECxxxPE Z-Link-S#	REC Peak Energy Z-Link-S Series
A) RECxxxPEM#	REC Peak Energy Mono Series
A) RECxxxPE Z-Link-M#	REC Peak Energy Z-Link-M Series
A) RECxxxPE2M#	REC Peak Energy 2 Mono Series
B) RECxxxPE 72#	REC Peak Energy 72 Series
B) RECxxxPEM 72#	REC Peak Energy Mono 72 Series
B) RECxxxPE2 72#	REC Peak Energy 2 72 Series
B) RECxxxPE2M 72#	REC Peak Energy 2 Mono 72 Series
B) RECxxxPE2S 72#	REC Peak Energy 2S 72 Series
B) RECxxxPE2SM 72#	REC Peak Energy 2S Mono 72 Series
C) RECxxxTP#	REC TwinPeak Series
C) RECxxxTP2#	REC TwinPeak 2 Series
C) RECxxxTP2L#	REC TwinPeak 2L Series
C) RECxxxTP2M#	REC TwinPeak 2 Mono Series
C) RECxxxTP2SM#	REC TwinPeak 2S Mono Series
C) RECxxxTP2SL#	REC TwinPeak 2SL Series
D) RECxxxPE 72 XV#	REC Peak Energy 72 XV Series
D) RECxxxPE2 72 XV#	REC Peak Energy 2 72 XV Series
D) RECxxxPE2M 72 XV#	REC Peak Energy 2 Mono 72 XV Series
D) RECxxxPE2S 72 XV#	REC Peak Energy 2S 72 XV Series
D) RECxxxPE2SM 72 XV#	REC Peak Energy 2S Mono 72 XV Series
E) RECxxxTP 72#	REC TwinPeak 72 Series
E) RECxxxTP2M 72#	REC TwinPeak 2 Mono 72 Series
E) RECxxxTPM 72#	REC TwinPeak Mono 72 Series
E) RECxxxTP2 72#	REC TwinPeak 2 72 Series
E) RECxxxTP2S 72#	REC TwinPeak 2S 72 Series
E) RECxxxTP2SM 72#	REC TwinPeak 2S Mono 72 Series
F) RECxxxTP 72 XV#	REC TwinPeak 72 XV Series
F) RECxxxTP2 72 XV#	REC TwinPeak 2 72 XV Series
F) RECxxxTP2M 72 XV#	REC TwinPeak 2 Mono 72 XV Series
F) RECxxxTP2S 72 XV#	REC TwinPeak 2S 72 XV Series
F) RECxxxTP2SM 72 XV#	REC TwinPeak 2S Mono 72 XV Series

xxx in the type number replaces the power in Watt at STC and can be any number between:
205 – 295 for A), 285 – 370 for B) & D), 260 – 310 for C), 310 – 380 for E) & F)

in the type number can be with or without any of the following suffixes or a combination of these:
ECO, BLK, BLK2, IQ





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

Manufacturer: REC Solar Pte Ltd
Standard: TS IEC 62804-1:2015, modified

Test conditions

Testing time: 600 h
Chamber temperature: 85°C
Relative Humidity: 85 %
Potential to ground: - 1500 V

Pass criteria

Power degradation: < 5%

Summary of test results:

Maximum power degradation: required max. 5 %
measured max. 1.15 %

The measured degradation is below the allowed degradation.

Visual inspection: No findings

The complete test results are given in Test Report No.: TRPVM-2016-40250-1, TRPVM-2016-40250-2 and TRPVM-2016-40250-3.

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
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