Confirmation of Test Results

TS IEC 62782:2016

Photovoltaic (PV) modules - Cyclic (dynamic) mechanical load testing

Ref.: **5017538-3972-0001** **10018/2017-40410**

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) RECxxxPEM	REC Peak Energy Mono Series
A) RECxxxPE2M	REC Peak Energy 2 Mono Series
A) RECxxxPE2SM 50	REC Peak Energy 2S Mono 50 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) RECxxxTP2S	REC TwinPeak 2S 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
F) RECxxxTP2SB 72 XV	REC TwinPeak 2S 72 XV Bifacial 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 – 320 for C), 310 – 380 for E) & F)

Optional the type can also include at the end any of the following suffixes, or a combination of these:
ECO, BLK, BLK2, IQ

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Confirmation of Test Results

TS IEC 62782:2016

Photovoltaic (PV) modules - Cyclic (dynamic) mechanical load testing

Manufacturer: REC Solar Pte Ltd

Standard: TS IEC 62782:2016

Test conditions

Mechanical load cycle	: 1000 times
Maximum pressure	: ±1000 Pa
Module Temperature	: 25 °C (±2 °C)

Pass criteria

Power degradation:	< 5%

Summary of test results:

Maximum power degradation:	Required	max. 5 %
	Measured	max. 0.65%

The measured degradation is below the allowed degradation.

Visual inspection: No findings

The complete test results are given in Test Report No.: TRPVM-2017-40410-1, TRPVM-2017-40410-2.

VDE Renewables GmbH

Akio Sato ***Arnd Roth***

63755 Alzenau, 2018-04-03

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