



IEC 61215-2:2016

Photovoltaic (PV) modules – Hail test (MQT 17)
Confirmation of Test Results

Ref.: 10018/2018-40295

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 |
| G) RECxxxNP | REC N-Peak 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), 295 – 330 for G)

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



Manufacturer: REC Solar Pte Ltd.

Standard: IEC 61215-2:2016, clause 4.17, Hail test (MQT 17)

Test conditions

Diameter of ice ball : 35 mm

Mass : 20.7 g

Test Velocity : 27.2 m/s

Pass criteria

Power degradation : < 5 %

Visual inspection : No findings

Summary of test results:

Power degradation: Allowed: max. 5 %
Measured: < 1.7 %

The measured degradation is below the allowed degradation.

Visual inspection : No findings

The complete test results are given in Test Report No. TRPVM-2018-40295-1.

VDE Renewables GmbH

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