

# UL CERTIFICATE FOR SELECTED TESTS

The product **Crystalline photovoltaic modules** has been tested by **UL International Germany GmbH** and found to comply in accordance with the Test Procedure indicated on this report.

Project Number/ **4788420081 / C4788420081**  
Certificate No:

Issue Date: **2018-05-07**

Issued to: **REC SOLAR PTE LTD**  
**20 Tuas South Avenue 14**  
**637312 Singapore**

Manufacturer: **REC SOLAR PTE LTD**  
**20 Tuas South Avenue 14**  
**637312 Singapore**

Tested Model: **Model(s): REC290TP2**  
Have been investigated by UL in accordance with the Test procedure indicated on this Certificate.

Test Procedure: **IEC61215-2 1st edition rev. date 2016-03, Hail test, Visual Inspection, Maximum power determination, Wet leakage current test**

Test Result(s)/  
Test Report No: **Modules under test complied with the requirements specified for the Hail test conducted with 35mm ice balls / 4788420081**

Additional Test  
Information: **Tests conducted with the following conditions :**

**Hail test**    **Diameter: 35.0mm**  
**Mass: 20.7g**  
**Velocity: 27.2m/s**  
**Impact energy: 7.66J**  
**No. of shots: 11**

**Wet leakage current test**    **Test voltage: 1000Vdc**  
**Test duration: 120s**

**Maximum power determination**    **Temperature: 25°C**  
**Irradiance: 1000W/m<sup>2</sup>**

**Laboratory Manager**



Test results apply only to the sample(s) actually tested by UL International Germany GmbH. The client provided all of the test samples for testing by UL. UL did not select the samples or determine whether the samples provided were representative of other manufactured products. UL has not established Follow-Up Service or other surveillance of the product. The client and or manufacturer are solely and fully responsible for conformity of all products to all applicable standards, specifications or requirements. UL Logo and Marks shall not be used in connection with the above tested product(s). Only those products bearing the UL Listing and Classification Marks should be considered as being covered by UL's Listing, Classification and Follow-Up Service. Look for the UL Listing and Classification Mark on the product. This UL Certificate for Selected Tests does not indicate that the sample(s) of the product described herein has been investigated and found to have been in compliance with the entire Standard(s) indicated on this Certificate, nor does it indicate compliance with the UL Type Examination Certificate Program Requirements.

**Issuing Body**    **UL International Germany GmbH**

# UL CERTIFICATE FOR SELECTED TESTS

The product **Crystalline photovoltaic modules** has been tested by **UL International Germany GmbH** and found to comply in accordance with the Test Procedure indicated on this report.

Project Number/ **4788456381 / C4788456381**  
Certificate No:

Issue Date: **2018-05-17**

Issued to: **REC SOLAR PTE LTD**  
**20 Tuas South Avenue 14**  
**637312 Singapore**

Manufacturer: **REC SOLAR PTE LTD**  
**20 Tuas South Avenue 14**  
**637312 Singapore**

Tested Model: **Model(s): REC345TP2S 72**  
Have been investigated by UL in accordance with the Test procedure indicated on this Certificate.

Test Procedure: **IEC61215-2 1st edition rev. date 2016-03, Hail test, Visual Inspection, Maximum power determination, Wet leakage current test**

Test Result(s)/ **Modules under test complied with the requirements specified for the**  
Test Report No: **Hail test conducted with 35mm ice balls / 4788456381**

Additional Test Information: **Tests conducted with the following conditions :**

**Hail test**    **Diameter: 35.00mm**  
**Mass: 20.7g**  
**Velocity: 27.2m/s**  
**Impact energy: 7.66J**  
**No. of shots: 11**

**Wet leakage current test**    **Test voltage: 1000Vdc**  
**Test duration: 120s**

**Maximum power determination**    **Temperature: 25°C**  
**Irradiance: 1000W/m<sup>2</sup>**

**Laboratory Manager**



Test results apply only to the sample(s) actually tested by UL International Germany GmbH. The client provided all of the test samples for testing by UL. UL did not select the samples or determine whether the samples provided were representative of other manufactured products. UL has not established Follow-Up Service or other surveillance of the product. The client and or manufacturer are solely and fully responsible for conformity of all products to all applicable standards, specifications or requirements. UL Logo and Marks shall not be used in connection with the above tested product(s). Only those products bearing the UL Listing and Classification Marks should be considered as being covered by UL's Listing, Classification and Follow-Up Service. Look for the UL Listing and Classification Mark on the product. This UL Certificate for Selected Tests does not indicate that the sample(s) of the product described herein has been investigated and found to have been in compliance with the entire Standard(s) indicated on this Certificate, nor does it indicate compliance with the UL Type Examination Certificate Program Requirements.

**Issuing Body**    **UL International Germany GmbH**