

UL CERTIFICATE FOR SELECTED TESTS

The product Amorph-Si PV Module has been tested by UL International Germany GmbH and found to comply in accordance with the Test Procedure indicated on this report.

Project Number/ **4788335050 / C4788335050-003SL5**
Certificate No:

Issue Date: **2018-04-26**

Issued to: **ONYX SOLAR ENERGY S L**
Calle Rio Cea 1 - 46
Avila, 05004
ES

Manufacturer: **ONYX SOLAR ENERGY S L**
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Tested Model: **Model(s): 434-BN-12451242-00-1**
Have been investigated by UL in accordance with the Test procedure indicated on this Certificate.

Test Procedure: **IEC61701 2nd edition rev. date 2011-12, Severity: 5**

Test Result(s)/ **Modules under test complied with the requirements specified for**
Test Report No: **severity level 5 (28 Days test time) / 4788335050-003SL5**

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

Dielectric withstand test - Test voltage: 6000Vdc / 1000Vdc
Test duration: 60s / 120s

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

Bypass diode functional test - Test current: 1.925A
Test duration: 1h

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