

Technical Report No.: 88.216.19.089.05

Date: 2021-12-10

Client: Anhui Tunghsu Kangtu solar Technology Co., Ltd.
Meishan Lake Road, modern industrial park, 237300 Jinzhai County, Lu'an, Anhui P.R.China

Factory: Anhui Tunghsu Kangtu solar Technology Co., Ltd.
Meishan Lake Road, modern industrial park, 237300 Jinzhai County, Lu'an, Anhui P.R.China

Product: Mono-crystalline Silicon Photovoltaic (PV) Modules

Test object: 1000V DC Module
DXM60-Z5-xxx (xxx=280-345, in step of 5)
DXM72-Z5-xxx (xxx=330-405, in step of 5)
DXM60-B5-xxx (xxx=320-360, in step of 5)
DXM72-B5-xxx (xxx=380-415, in step of 5)
DXM60-B6-xxx (xxx=360-380, in step of 5)
DXM72-B6-xxx (xxx=430-455, in step of 5)
DXM60- DTB5 -xxx (xxx=320-350, in step of 5)
DXM60- DTB6 -xxx (xxx=345-380, in step of 5)
DXM60- DGB5 -xxx (xxx=320-350, in step of 5)
DXM60- DGB6 -xxx (xxx=345-380, in step of 5)
DXM72- DTB5 -xxx (xxx=390-420, in step of 5)
DXM72- DTB6 -xxx (xxx=415-455, in step of 5)
DXM72- DGB5 -xxx (xxx=390-420, in step of 5)
DXM72- DGB6 -xxx (xxx=415-455, in step of 5)

Model: 1500V DC Module
DXMH60-Z5-xxx (xxx=280-345, in step of 5)
DXMH72-Z5-xxx (xxx=330-405, in step of 5)
DXMH60-B5-xxx (xxx=320-360, in step of 5)
DXMH72-B5-xxx (xxx=380-415, in step of 5)
DXMH60-B6-xxx (xxx=360-380, in step of 5)
DXMH72-B6-xxx (xxx=430-455, in step of 5)
DXMH60- DTB5 -xxx (xxx=320-350, in step of 5)
DXMH60- DTB6 -xxx (xxx=345-380, in step of 5)
DXMH60- DGB5 -xxx (xxx=320-350, in step of 5)
DXMH60- DGB6 -xxx (xxx=345-380, in step of 5)
DXMH72- DTB5 -xxx (xxx=390-420, in step of 5)
DXMH72- DTB6 -xxx (xxx=415-455, in step of 5)
DXMH72- DGB5 -xxx (xxx=390-420, in step of 5)
DXMH72- DGB6 -xxx (xxx=415-455, in step of 5)

DXMH54-B8-xxx (xxx=390-415, in step of 5)

DXMH60-B8-xxx (xxx=440-465, in step of 5)
DXMH72-B8-xxx (xxx=525-550, in step of 5)
DXMH60-BX-xxx (xxx=580-605, in step of 5)
DXMH50-BX-xxx (xxx=480-505, in step of 5)
DXMH54-DGB8-xxx (xxx=395-420, in step of 5)
DXMH60-DGB8-xxx (xxx=445-470, in step of 5)
DXMH72-DGB8-xxx (xxx=530-555, in step of 5)
DXMH60-DGBX-xxx (xxx=580-605, in step of 5)
DXMH50-DGBX-xxx (xxx=480-505, in step of 5)
xxx is standing for rated output power at STC

Test specification: IEC 61215-1:2016
IEC 61215-1-1:2016
IEC 61215-2:2016
IEC 61730-1:2016
IEC 61730-2:2016
EN 61215-1:2016
EN 61215-1-1:2016
EN 61215-2:2017
EN IEC 61730-1:2018
EN IEC 61730-1:2018/AC:2018-06
EN IEC 61730-2:2018
EN IEC 61730-2:2018/AC:2018-06

Purpose of examination: Testing and evaluation (visual / partial) according to the test specification

The test results show that the presented product is in compliance with the above listed test specifications.

Test result:

Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question. It does not imply a general statement regarding the quality of products from regular production. For further details please see testing and certification regulation, chapter A-3.4.

1. Description of the test object

1.1 Pictures

N/A

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Beijing 100 102 P.R. China

1.2 Function

Manufacturer's specification for intended use: The product is used to absorb sunlight and then transfer into electricity while its front surface faces to the sun

1.3 Consideration of the foreseeable use

- Not applicable
- Covered through the applied standard
- Covered by the following comment*
- Covered by attached risk analysis

*

1.4 Technical Data

1000V DC Module

- DXM60-Z5-xxx (xxx=280-345, in step of 5)
- DXM72-Z5-xxx (xxx=330-405, in step of 5)
- DXM60-B5-xxx (xxx=320-360, in step of 5)
- DXM72-B5-xxx (xxx=380-415, in step of 5)
- DXM60-B6-xxx (xxx=360-380, in step of 5)
- DXM72-B6-xxx (xxx=430-455, in step of 5)
- DXM60- DTB5 -xxx (xxx=320-350, in step of 5)
- DXM60- DTB6 -xxx (xxx=345-380, in step of 5)
- DXM60- DGB5 -xxx (xxx=320-350, in step of 5)
- DXM60- DGB6 -xxx (xxx=345-380, in step of 5)
- DXM72- DTB5 -xxx (xxx=390-420, in step of 5)
- DXM72- DTB6 -xxx (xxx=415-455, in step of 5)
- DXM72- DGB5 -xxx (xxx=390-420, in step of 5)
- DXM72- DGB6 -xxx (xxx=415-455, in step of 5)

1500V DC Module

- DXMH60-Z5-xxx (xxx=280-345, in step of 5)
- DXMH72-Z5-xxx (xxx=330-405, in step of 5)
- DXMH60-B5-xxx (xxx=320-360, in step of 5)
- DXMH72-B5-xxx (xxx=380-415, in step of 5)
- DXMH60-B6-xxx (xxx=360-380, in step of 5)
- DXMH72-B6-xxx (xxx=430-455, in step of 5)
- DXMH60- DTB5 -xxx (xxx=320-350, in step of 5)
- DXMH60- DTB6 -xxx (xxx=345-380, in step of 5)
- DXMH60- DGB5 -xxx (xxx=320-350, in step of 5)
- DXMH60- DGB6 -xxx (xxx=345-380, in step of 5)
- DXMH72- DTB5 -xxx (xxx=390-420, in step of 5)
- DXMH72- DTB6 -xxx (xxx=415-455, in step of 5)
- DXMH72- DGB5 -xxx (xxx=390-420, in step of 5)
- DXMH72- DGB6 -xxx (xxx=415-455, in step of 5)

DXMH54-B8-xxx (xxx=390-415, in step of 5)
DXMH60-B8-xxx (xxx=440-465, in step of 5)
DXMH72-B8-xxx (xxx=525-550, in step of 5)
DXMH60-BX-xxx (xxx=580-605, in step of 5)
DXMH50-BX-xxx (xxx=480-505, in step of 5)
DXMH54-DGB8-xxx (xxx=395-420, in step of 5)
DXMH60-DGB8-xxx (xxx=445-470, in step of 5)
DXMH72-DGB8-xxx (xxx=530-555, in step of 5)
DXMH60-DGBX-xxx (xxx=580-605, in step of 5)
DXMH50-DGBX-xxx (xxx=480-505, in step of 5)
xxx is standing for rated output power at STC
Rated Power:See CDF 88.216.19.089.05

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2. Order

2.1 Date of Purchase Order, Customer's Reference

N/A

2.2 Test Sample(s)

- Reception date(s): N/A
- Location(s) of reception: N/A
- Condition of test sample(s): N/A

2.3 Date(s) of Testing N/A

2.4 Location(s) of Testing N/A

2.5 Points of Non-Compliance or Exceptions of the Test Procedure

- None

3. Test Results

Decision rule (based on ILAC-G8) for an upper specification limit (A lower limit or specification with an up-per and a lower limit is treated similarly.):

- Compliance with the requirement: If a specification limit is not breached by a measurement result plus the expanded uncertainty with a 95% coverage probability, then compliance with the specification will be stated.

3.1 Positive Test Results

Compared with original test report 88.216.19.089.04, in this report only correct the company name of the certificate, on other change, so update the certificate.

3.2 Points of Non-Compliance according to the test specification

- None

4. Remarks

4.1 General

The user manual has been examined according to the minimum requirements described in the product standard. The manufacturer is responsible for the accuracy of further particulars as well as of the composition and layout.

4.2 Additional information for routine tests to be performed by the factory(ies)

Routine test requirements for production are described in FI report

5. Documentation

| File | File name | Date |
|------------------|------------------|------------|
| Data form (CDF): | 88.216.19.089.05 | 2021-12-10 |

6. Summary

The test specification is met.

TÜV SÜD Certification and Testing (China) Co., Ltd.

Tested by:

Wang Caina *Wang Caina*
printed name, function & signature

Approved by:

Li Yuqing
printed name, function & signature