



Test Certificate No. 7213211447

1. **Details of order:**

The test was order by: **TÜV Rheinland (Shanghai) Co., Ltd**

Address: **TÜV Building I, No.177, Lane 777, West Guangzhong Road Jingan District, Shanghai, China**

Date of order: **19.05.2022**

The sample was taken by a representative of the customer

2. **Test of:**

Photovoltaic module

Model : **EG-XXXM72-HL/BF-DG**

Manufacturer : **Changzhou EGing Photovoltaic Technology Co., Ltd.**

Country of manufacture : **CHINA**

Module type : **Mono-crystalline**

Num. of cells in module : **144**

Overall dimensions : **2286/2285/2279/2278 mm X 1134 mm X 40/35 mm**

3. **Description of sample:**

Date of Sampling : **05.05.2022**

Sampling By : **Customer**

Number of Sampling : **1**

4. **Nature of Test:**

Compliance of the model with the requirements of the International Standards:

IEC 61730 - Photovoltaic (PV) module safety qualification

Part 1: clauses 3,4,5,6,7,8,9,10,11,12

Part 2: clauses 3,6,9,10,11

SI 61215 - Crystalline silicon terrestrial photovoltaic (PV) modules :

clause 10.17 (Hail test) Design qualification and type approval.

5. **Conclusion:**

The module complies with the requirements of the clauses to which they were tested.

Notes: This example is representative for sample modules: **EG-XXXM72-HL/BF-DG** (XXX=530-550), IEC1500V.

Test report Lab.: TUV RHEINLAND, Test Report No.: 60387709 001-015

This document alone is not used to release goods from customs.

This report refers only to the sample tested and does not refer to other samples of the same product.

This document contains 6 pages, and may be used only in full.

Matthew Skif

Laboratory Technician

מחנך משרד התעשייה והמסחר
ענף מערכות אנרגיה
תעבורה פנימית והתחבורה
מכוני התקנים היסטוריים

01/06/2022

Test Completion Date: 01.06.2022

6.3.18 / א' 32.7.707 מרמט



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6. Tests Results:**Standard IEC 617301 Part 1**

| No. | Subject | Results and details of nonconformance | Verdict |
|-----|----------------------------------------------|---------------------------------------|---------|
| 3 | Application classes | | P |
| 4 | Construction requirements | | P |
| 5 | Polymeric material | | P |
| 6 | Internal wiring and current – carrying parts | | P |
| 7 | Connections | | P |
| 8 | Bonding and grounding | | P |
| 9 | Creepage and clearance distances | | P |
| 10 | Field wiring compartments with covers | | P |
| 11 | Marking | | P |
| 12 | Requirements for supplied documents | | P |

Test Completion Date: 01.06.2022

מס' תיקון 32.7.707 מהדורה א', 6.3.18



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Standard IEC 617301 Part 2

| No. | Subject and details of nonconformance | | Results | Verdict |
|-----|---------------------------------------|----------------------------------------|---------|---------|
| 6 | Sampling | | | P |
| 9 | Pass criteria | | | P |
| 10 | | | | P |
| | Test procedures | + Tested in practice | MST 01 | P |
| | | | MST 11 | P |
| | | | MST 12 | P |
| | | Double insulation | MST 13 | P |
| | | | MST 14 | P |
| | | | MST 15 | P |
| | | Tested in practice >100 MΩ, 8 kV DC | MST 16 | P |
| | | | MST 17 | P |
| | | | MST 21 | P |
| | | | MST 23 | P |
| | | | MST 26 | P |
| | | | MST 32 | P |
| 11 | | | | P |
| | Component tests | | MST 15 | P |
| | | | MST 33 | P |
| | | | MST 44 | P |

Standard IEC 61215

| | | | |
|-----|-----------|--------------------------------------------------------------------------------------|---|
| 4.1 | Hail test | This paragraph is tested in accordance with the method defined in UL Standard 1703 . | P |
|-----|-----------|--------------------------------------------------------------------------------------|---|

Test Completion Date: 01.06.2022

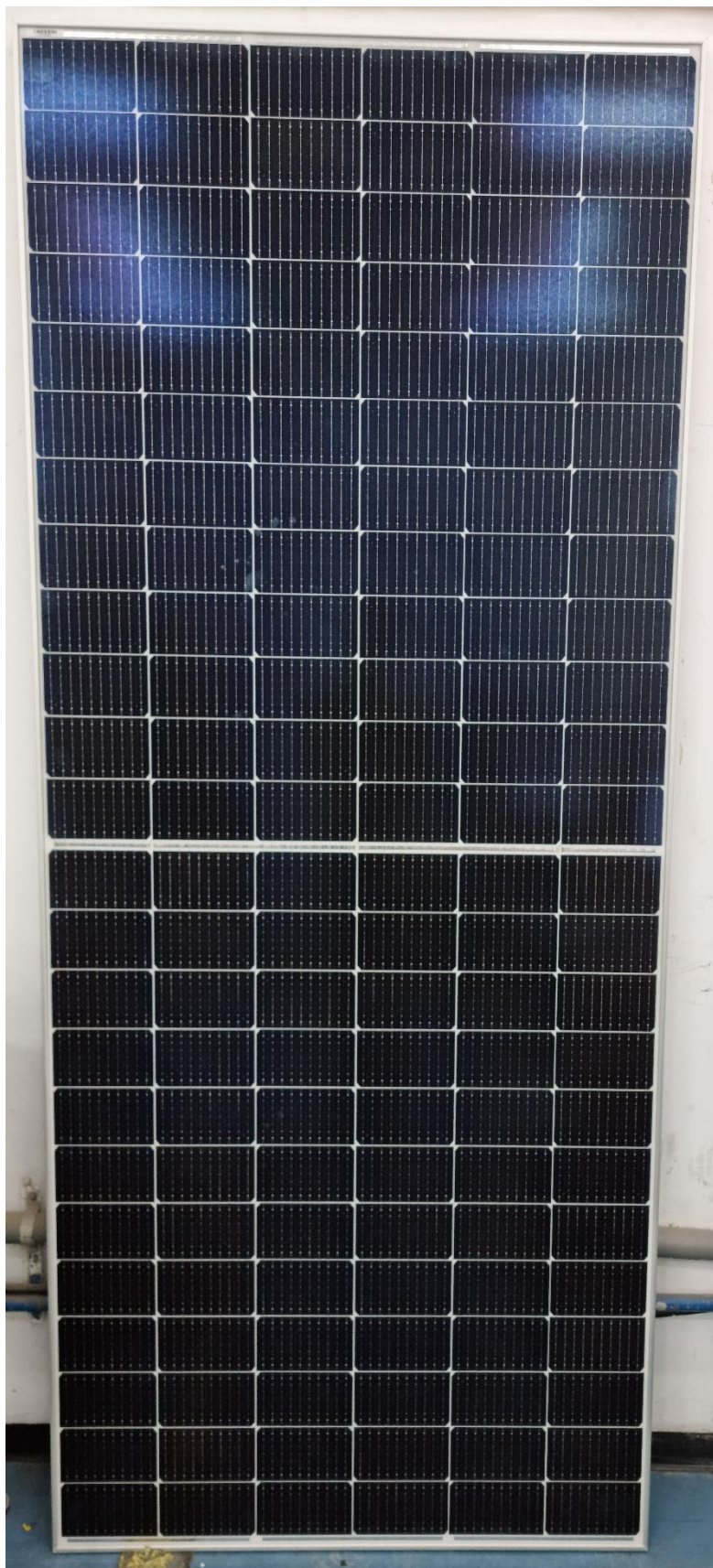
מחלקת מכניקה ו' 6.3.18 32.7.707



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Appendix 1

Photo Documentation

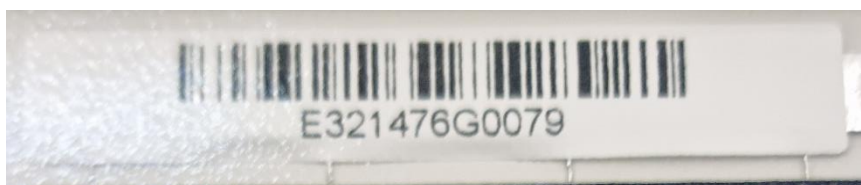


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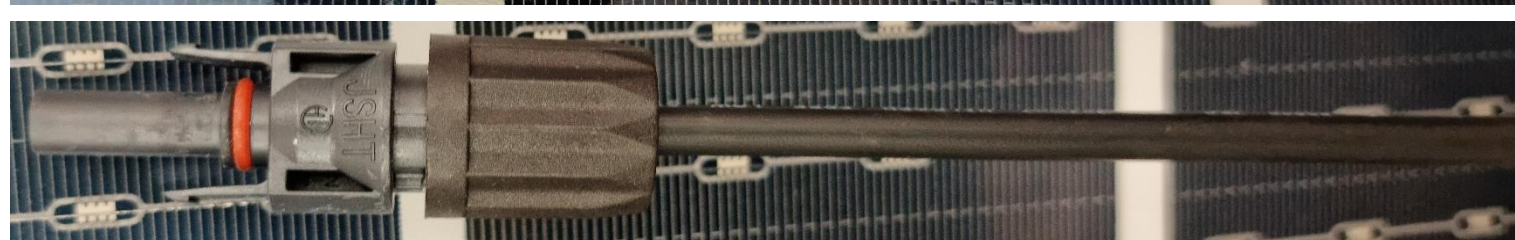
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| | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------|--|-------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------|-----------|-------|
| EGING PV | | PHOTOVOLTAIC MODULE | | Pmax | 540W(0~+3%) | Vmp | 42.09V | Voc | 49.91V | |
| MODEL | EG-640M72-HL/BF-DG | | | Cells | 144pcs | Imp | 12.83A | Isc | 13.58A | |
| Standard Test Condition: 1000W/m ² AM1.5 25°C | | | | Size | 2278*1134*35mm | | Weight | 32.0kg | Sys.Volt. | 1500V |
| ⚠ WARNING Please follow the instruction manual during installation or maintenance. Do not connect or disconnect the connectors under load current. | | | | Fuse Rating | 25A | | Module Application | Class A | | |
| | | | | | | Certified in accordance with IEC61215(ed.2)/IEC61730-1,-2 No.18,Jinwu Road,Jintan,Changzhou,Jiangsu Province,P.R.C 213213 Changzhou EGing Photovoltaic Technology Co., Ltd. MADE IN CHINA | | | | |

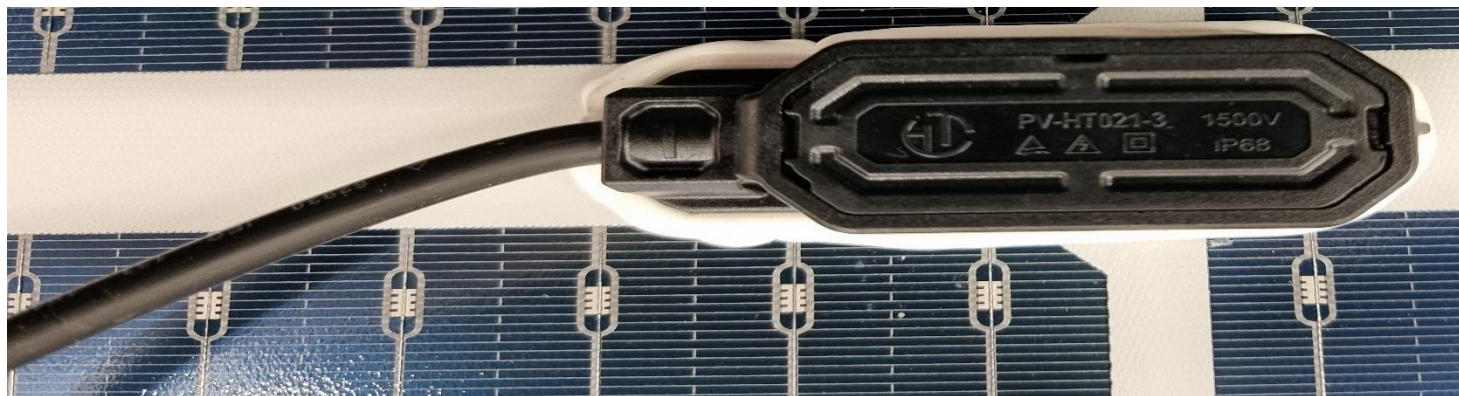


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