



Test Certificate No. 7313217296

### 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: **30.07.2023**

The sample was taken by a representative of the customer

### 2. Test of:

Photovoltaic module

Model : **EG-XXXM60-HLV**

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

Country of manufacture : **CHINA**

Module type : **Mono-crystalline**

Num. of cells in module : **120**

Overall dimensions : **1915/1909 mm X 1134 mm X 30/35/40 mm**

### 3. Description of sample:

Date of Sampling : **01.07.2023**

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-XXXM60-HLV**  
(XXX=440-460), IEC1500V.

Test report Lab.: TÜV Rheinland, Test Report No.: 50116992 001-034

**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

מתן סקיף, הנדסאי בודק  
ענף מערכות אנרגיה  
המערב מכוונת המידע והעמק  
מכון התקנים הישראלי

01/09/2023

**Test Completion Date: 01.09.2023**

6.3.18 , א' 32.7.707 9070



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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

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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
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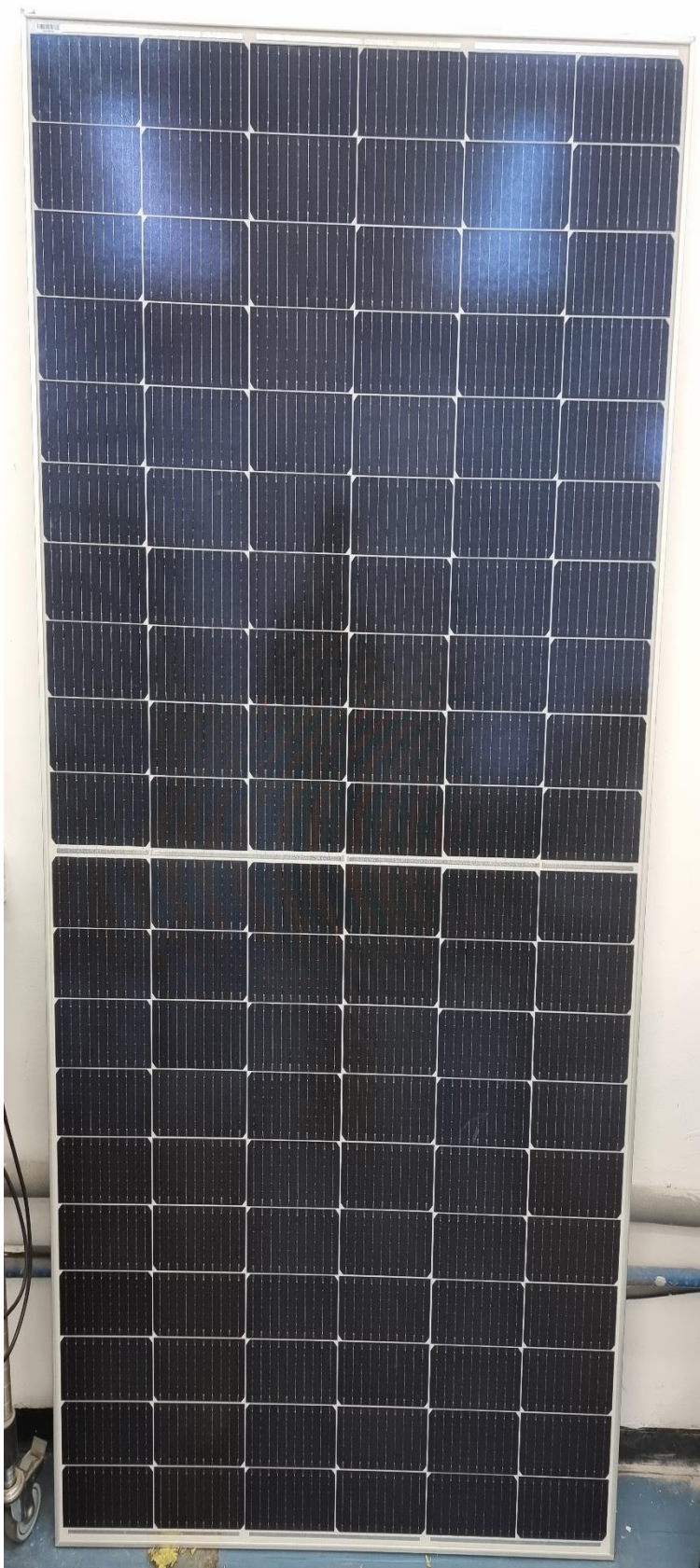
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**Appendix 1**

**Photo Documentation**

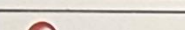









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 <b>EGING PV</b> <small>KEENSTAR</small>	<b>PHOTOVOLTAIC MODULE</b>		Pmax	460W±3%	Vmp	34.64V	Voc	42.11V ±5%	
	MODEL	EG-460M60-HLV	Cells	120pcs	Imp	13.28A	Isc	14.00A ±5%	
Standard Test Condition: 1000W/m <sup>2</sup> AM1.5 25°C			Size	1909*1134*30mm	Weight	22.3kg	Sys.Volt.	1500V	
 <b>WARNING</b> Please follow the instruction manual during installation or maintenance. Do not disconnect under load. Production power test uncertainty ±3%.			Fuse Rating	25A	Module Application		Class A		
			    <div>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</div> <div></div>						



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