



Test Certificate No. 7213219995

1. Details of order:

The test was order by: HANGZHOU RELNO STANDARDS TECHNICAL SERVICE CO., LTD

Address: Floor 3, Boke Building, No. 9 Xiyuan Road, Xihu District, Hangzhou, Zhejiang, China.

Date of order: 11.09.2022

The sample was taken by a representative of the customer

2. Test of:

Photovoltaic module

Model : HTMXXXMH5-72

Manufacturer : Tangshan Haitai New Energy Technology Co.,Ltd.

Country of manufacture : CHINA

Module type : Mono-crystalline

Num. of cells in module : 144

Overall dimensions : 2230/2256/2274/2278/2279/2288 mm X 1133/1134 mm X 35/40 mm

3. Description of sample:

Date of Sampling : 28.06.2021

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: **HTMXXXMH5-72**

(XXX=520-555), IEC1500V. Test report Lab.: TÜV SUD , Test Report No.: **88.216.18.095.12,**

88.216.18.095.12_a, 88.216.18.095.12_d

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

מחלקת טעיף חנדסאי בודק
ענף טערכות אנרגיה
המעבדה מרכזית לתקיפת התנאים
מכון התקנים הישראלי

13/09/2022

Test Completion Date: 13.09.2021

פורמט 32.7.707 מהדורה א' / 6.3.18



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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: 13.09.2021

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
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Test Completion Date: 13.09.2021

מחלקת מכניקה ו' 6.3.18 32.7.707