

**Technical Report No.: 701262310302-00**

**Date: 2023-06-08**

**Client:**  
G-STAR PTE. LTD. (120808)  
6 RAFFLES QUAY #14-06,  
Singapore 048580, SINGAPORE

**Manufacturer**  
G-STAR PTE. LTD. (120808)  
6 RAFFLES QUAY #14-06,  
Singapore 048580, SINGAPORE

- Factory:**
- a. LONGi Photovoltaic Technology (Taizhou) Co., Ltd. (099605)  
No.8, Taikang Road Hailing District, 225300 Taizhou City, Jaingsu Province, PEOPLE'S REPUBLIC OF CHINA.
  - b. LONGi Solar Technology (Zhejiang) Co., Ltd. (099626)  
No.2, Bailing Middle Road, Donggang Industrial Functional Zone, Quzhou Economic Development Zone, Qujiang District, 324005, Quzhou City, Zhejiang Province, PEOPLE'S REPUBLIC OF CHINA.
  - c. VINA SOLAR TECHNOLOGY COMPANY LIMITED (090968)  
Workshop E12Lot CN-03, Van Trung Industrial Zone, Van Trung Commune, 21000 Viet Yen District, Bac Giang Province, VIETNAM
  - d. LONGi Solar Technology Co., Ltd. (002875)  
No. 8369 Shangyuan Road, Caotan Eco-Industrial Park, Economic & Technological Development Zone, 710018 Xi'an City, Shaanxi Province, PEOPLE'S REPUBLIC OF CHINA
  - e. LONGi Solar Technology (Chuzhou) Co., Ltd. (Production Facility Code: 102892)  
No. 19, Huaian Road Nanqiao District, 239000 Chuzhou City, Anhui Province, PEOPLE'S REPUBLIC OF CHINA.
  - f. LONGi Solar Technology (Jiangsu) Co., Ltd. (108647)  
No. 288 Yaojia Road, Jiulong Town, Hailing District, 225300 Taizhou City, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA.

g. LONGi Solar Technology (Xianyang) Co., Ltd. (108363)  
No. 120, Wenxing West Road, Qindu District, 712000 Xianyang  
City, Shaanxi Province, PEOPLE'S REPUBLIC OF CHINA.

h. LONGi Solar Technology (Jiaxing) Co., Ltd. (110068)  
No. 130, Ruifeng Street, Gaozhao Subdistrict, Xiuzhou District,  
314031 Jiaxing City, Zhejiang Province, PEOPLE'S REPUBLIC OF  
CHINA

I.LONGi Photovoltaic Technology (Jiaxing) Co.,Ltd. (119607)  
Junmin Road, Wangdian Town, Xiuzhou District, 314000 Jiaxing,  
Zhejiang, PEOPLE'S REPUBLIC OF CHINA.

m. LONGi Solar Technology (Wuhu) Co., Ltd. (120099)  
1-57, No. 5 Qijing First Road, Longshan Street, Economic and  
Technological Development Zone, 241000 Wuhu, Anhui Province,  
241000, PEOPLE'S REPUBLIC OF CHINA.

Test object: Product: Photovoltaic modules

Model:  
See clause 1.4

Test specification: IEC 61215-1:2016  
IEC 61215-1-1:2016  
IEC 61215-2:2016  
IEC 61730-1:2016  
IEC 61730-2:2016  
PID test procedure PPP 58042B:2015

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

Test result: The test result show that the presented product is in compliance  
with the specific requirements.

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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 Picture(s)

N/A

### 1.2 Function

Manufacturer's specification for intended use:

The PV modules for electricity generation systems with max. voltage of 1500 V DC

Manufacturer's specification for predictive use:

N/A

### 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

Model	:	GSY7072M-xxxBW, xxx=555-600, in steps of 5 GSY7054M-xxxBB, xxx=410-440, in steps of 5 GSY7054M-xxxBW, xxx=420-450, in steps of 5 xxx stands for rated output power at STC
Rated output Power at STC	:	Same as above
Max. system voltage	:	1500 V DC

## 2. Order

### 2.1 Date of Purchase Order, Customer's Reference

2023-05-05

### 2.2 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**

- N/A

### 3. Test Results

#### 3.1 Positive Test Results

Test specification(s)	Report no. / Rev. No.	Date	Remark
Electrical safety:	704061700516-26	2023-05-23	N/A
Mechanical safety:	704061700516-26	2023-05-23	N/A

#### 3.2 Points of Non-Compliance according to the test specification

- None

### 4. Remarks

#### 4.1 General

Co-license

Apply for co-license according to main license No.: Z2 099333 0096 Rev 03.

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 Factory surveillance cycle

Your production facility is currently on a

- Annual (12 month)
- Bi-Annual (6 month)
- Quarterly (3 month)
- Others

surveillance cycle.

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

Routine tests requirements for production are described in 70.197.22.099626.06, 70.197.23.099605.07, 70.197.23.090968.36, 71.197.22.002875.06, 70.197.23.102892.05, 70.197.23.108647.04, 70.197.22.108363.03, 70.197.22.110068.03, 70.197.23.120099.01, 70.197.23.119607.01

5. Documentation

File	File name	Date
Data form (CDF):	701262309702-00	2023-06-08
Photo documentation:	N/A	N/A
User manual:	N/A	N/A
Installation manual:	N/A	N/A

6. Summary

The test specification is met.

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

Tested by: Yonghui Shang *Yonghui Shang*

Approved by: Gang Huang *Gang Huang*