

**Technical Report No.: 704062462301-00**

**Date: 2024-05-23**

**Client:** Sunpal Power Co., Ltd. (109669)  
Room 301, 3 / F  
Xincheng Electric Power Building  
398 Ganquan Road, Shushan District  
230088 Hefei City, Anhui Province  
PEOPLE'S REPUBLIC OF CHINA

**Manufacturer:** Sunpal Power Co., Ltd. (109669)  
Room 301, 3 / F  
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398 Ganquan Road, Shushan District  
230088 Hefei City, Anhui Province  
PEOPLE'S REPUBLIC OF CHINA

**Factory:** Wuxi Sunket New Energy Technology Co., Ltd. (116477)  
888# Qinghong Road, Delin Industry Park, E'hu Town 214117  
Wuxi, Jiangsu PEOPLE'S REPUBLIC OF CHINA

**Test object:** Product: Photovoltaic modules  
Model: See clause 1.4

**Test specification:** EN IEC 61730-1:2018  
EN IEC 61730-2:2018  
EN IEC 61730-1:2018/AC:2018-06  
EN IEC 61730-2:2018/AC:2018-06

**Purpose of examination:**

- Testing (visual / partial) for compliance with specified requirements to assess conformity with the essential safety and health requirements of the following European Directives: Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits
- Testing and evaluation (visual / partial) according to the test specification

**Test result:**

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TUV SUD Certification and Testing (China)  
Co., Ltd. Shanghai Branch  
TUV SUD Group  
No. 151 Heng Tong Road Shanghai 200070  
P. R. China

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

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## 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 or 1000 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	:	SPxxxM-78H (xxx=590-630, in steps of 5) SPxxxM-72H (xxx=545-585, in steps of 5) SPxxxM-66H (xxx=500-535, in steps of 5) SPxxxM-60H (xxx=455-485, in steps of 5) SPxxxM-54H (xxx=410-440, in steps of 5) SPxxxM-60 (xxx=230-240, in steps of 5) SPxxxM-48 (xxx=180-190, in steps of 5) SPxxxM-36 (xxx=135-145, in steps of 5) SPxxxM-24 (xxx=90-100, in steps of 5) SPxxxM-12 (xxx=45-50, in steps of 5) SPxxxM-72 (xxx=275-290, in steps of 5) SPxxxM-64 (xxx=250-255, in steps of 5) SPxxxM-56 (xxx=215-220, in steps of 5) SPxxxM-40 (xxx=150-160, in steps of 5) SPxxxM-32 (xxx=120-125, in steps of 5) SPxxxM-16 (xxx=60) SPxxxM-28 (xxx=65-75, in steps of 5) SPxxxM-42 (xxx=150-175, in steps of 5) xxx is standing for rated output power at STC.
Rated output Power at STC	:	Same as above
Max. system voltage	:	1500 V DC or 1000 V DC

## 2. Order

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

The order dated 2024-05-14

### 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

N/A

3. Test Results

- “Decision rule according to IEC Guide 115:2023, clause 4.3.3 was applied.”
- “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 (e.g. Pass).

3.1 Positive Test Results

Test specification(s)	Report no. / Rev. No.	Date	Remark
Electrical safety:	704062243104-03	2024-04-29	N/A
Mechanical safety:	704062243104-03	2024-04-29	N/A

3.2 Points of Non-Compliance according to the test specification

- None

**4. Remarks**

**4.1 General**

Apply for CE attestation for Sunpal Power Co., Ltd.

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)
- surveillance cycle.

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

**Routine tests for electrical appliances / equipment:**

Routine test requirements for production are described in 70.197.24.116477.02

**5. Documentation**

File	File name	Date
Data form (CDF):	704062462301-00 CDF_CE_E	2024-05-23
Photo documentation:	N/A	N/A
User manual:	N/A	N/A
Installation manual:	704062462301-00 MAN_CE_E	2024-05-23
LVD 2014/35/EU risk assessment & risk reduction	Attachment No.1.: 704062462301-00	2024-05-23
CE Declaration letter	Attachment No.2.: 704062462301-00	2024-05-23

## 6. Summary

*"The test specifications are met"*

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

Tested by: Rui Chen



Approved by: Gang Huang

