

CERTIFICATE

TÜV NORD CERT GmbH

herewith declares that

Sunpal Power Co., Ltd.

6th Floor, Xincheng Electric Power Industry Building
No. 398, Ganquan Road, Hefei, Anhui
China

is authorized to provide the product mentioned below with the mark as illustrated:

Description of product (details see Annex 2):

PV Modules with 7" Half-cut Mono-crystalline Silicon Solar Cells

PV Modules with 6" Half-cut Mono-crystalline Silicon Solar Cells



Valid from: 2021-09-16

Valid until: 2026-05-07

| | |
|-------------------------------|---|
| Certification program: | P12-VA-01 Rev. 17 09.20 |
| Certification fundamental(s): | IEC / EN 61215-1:2016; IEC / EN 61215-1-1:2016; IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018; IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018; IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018. |
| Registered No.: | 44 780 21 406749 - 196 |
| Manufacturer: | see Annex 1 |
| Test Report No.: | 492011801.001 |
| File No.: | SHV01017/20-03 |

TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2021-09-16

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / *Annex 1 to Certificate No.:* **44 780 21 406749 - 196**

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Aktenzeichen: / *File reference:* **SHV01017/20-03**

2021-09-16

Manufacturer:

Manufacturer: **Coded by debtor no. 55496802**

Factory inspection report no.: 862010536.001

Remark:

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.

Description of product(s):

| | |
|------------------------------------|---|
| Module types: | PV Modules with 7" Half-cut Mono-crystalline Silicon Solar Cells: 156 cells: SPxxxM (xxx = 560-605, in increment of 5) 144 cells: SPxxxM (xxx = 520-555, in increment of 5) 132 cells: SPxxxM (xxx = 475-510, in increment of 5) 120 cells: SPxxxM (xxx = 430-465, in increment of 5) 108 cells: SPxxxM (xxx = 390-415, in increment of 5) 96 cells: SPxxxM (xxx = 345-370, in increment of 5) 84 cells: SPxxxM (xxx = 300-325, in increment of 5) 72 cells: SPxxxM (xxx = 260-280, in increment of 5) 60 cells: SPxxxM (xxx = 215-230, in increment of 5) 48 cells: SPxxxM (xxx = 175-185, in increment of 5) 42 cells: SPxxxM (xxx = 150-160, in increment of 5) 36 cells: SPxxxM (xxx = 130-140, in increment of 5) 30 cells: SPxxxM (xxx = 110, 115) 26 cells: SPxxxM (xxx = 95, 100) 18 cells: SPxxxM (xxx = 65, 70) 16 cells: SP60M 14 cells: SP50M |
| Maximum system voltage: | 1500V |
| Fuse rating: | 25A |
| Electrical protection class: | Class II |
| Pollution degree: | 1 |
| Material group: | I |
| Design load (positive / negative): | 3600Pa / 1600Pa |
| Safety factors: | 1.5 |
| Fire safety class: | Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018) |

| | |
|------------------------------------|---|
| Module types: | PV Modules with 6" Half-cut Mono-crystalline Silicon Solar Cells: 156 cells: SPxxxM6 (xxx = 465-500, in increment of 5) 144 cells: SPxxxM6 (xxx = 430-465, in increment of 5) 132 cells: SPxxxM6 (xxx = 395-425, in increment of 5) 120 cells: SPxxxM6 (xxx = 360-385, in increment of 5) 108 cells: SPxxxM6 (xxx = 325-345, in increment of 5) |
| Maximum system voltage: | 1500V |
| Fuse rating: | 25A |
| Electrical protection class: | Class II |
| Pollution degree: | 1 |
| Material group: | I |
| Design load (positive / negative): | 3600Pa / 1600Pa |
| Safety factors: | 1.5 |
| Fire safety class: | Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018) |

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.