

# CERTIFICATE

**TÜV NORD CERT GmbH**  
herewith declares that

**Zhejiang Sunoren Solar Technology Co., Ltd.**  
No. 9, Pidun Road,  
Haining City, Zhejiang Province,  
China

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

**Description of product (details see Annex 2):**

**PV Modules with 6" Mono-crystalline Silicon Solar Cells**

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



Valid from: 2021-02-01

Valid until: 2026-01-31

Tested according to: 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 - 015

Manufacturer: see Annex 1

Test Report No.: 492011582.001

File No.: PVP07036/20P-02



**TÜV NORD CERT GmbH**  
Certification Body  
Consumer Products



Essen, 2021-02-01

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: **44 780 21 406749 - 015**

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Aktenzeichen: / File reference: **PVP07036/20P-02**

**2021-02-01**

**Manufacturer:**

Manufacturer: **Jiaxing Nengfa Electronic Technology Co., Ltd.**  
No. 76, Fengxiang East Road, Wutong Street,  
Tongxiang City, Zhejiang Province, China

Factory inspection report no.: **862010526.001**

**Remark:**

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

A handwritten signature in blue ink, appearing to read "Dagmar K.", is positioned above the company name.

**TÜV NORD CERT GmbH**  
**Certification Body**  
**Consumer Products**

**Description of product(s):**

Module types: **PV Modules with 6" Mono-crystalline Silicon Solar Cells**

72 cells: XNxxxM-72V (xxx = 275-405, in increment of 5)

60 cells: XNxxxM-60V (xxx = 315-335, in increment of 5)

48 cells: XNxxxM-48V (xxx = 250-260, in increment of 5)

Maximum system voltage: 1500V

Fuse rating: 20A

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" Mono-crystalline Silicon Half-cut Solar Cells**

144 half-cut cells: XNxxxM-144HV (xxx = 395-465, in increment of 5)

120 half-cut cells: XNxxxM-120HV (xxx = 330-385, in increment of 5)

Maximum system voltage: 1500V

Fuse rating: 20A

Electrical protection class: Class II

Pollution degree: 1

Material group: I

Design load (positive / negative): 3600Pa / 1600Pa

Safety factors: 1.5

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

