

# CERTIFICATE

**TÜV NORD CERT GmbH**

herewith declares that

**Jinneng Photovoltaic Technology Ltd.**

No. 533, East Guang'an Street, Green-car Park, Jinzhong Development Park,  
Demonstrative Zone of Shanxi Comprehensive Reform  
Jinzhong City, Shanxi Province, 030600  
P.R. China

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

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

**Double Glass PV Modules with 6" Mono Heterojunction Bifacial Solar Cells**

**Double Glass PV Modules with 6" Mono Bifacial Solar Cells**

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

**Double Glass PV Modules with 6" Half-cut Mono Bifacial Solar Cells**



Valid from: 2020-10-29

Valid until: 2023-07-22

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 20 406749 - 011R1M1

Manufacturer: see Annex 1

Test Report No.: 492011072.004

File No.: SHV02002/20-01



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



Essen, 2020-10-29

Please also pay attention to the information stated overleaf.

**Manufacturer:**

Manufacturer 1: **JINNENG CLEAN ENERGY TECHNOLOGY LTD.**  
No.1 Wenshui Economic Development Zone  
Lvliang, Shanxi, 032100, China

Factory inspection report no.: 862010249.007

Manufacturer 2: **Jinneng Photovoltaic Technology Ltd.**  
No. 533, East Guang'an Street, Green-car Park, Jinzhong Development  
Park, Demonstrative Zone of Shanxi Comprehensive Reform,  
Jinzhong City, Shanxi Province, 030600, P.R. China

Factory inspection report no.: 862010378.003

**Remark:**

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



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**Consumer Products**

**Description of product(s):**

Module types:	<b>Double Glass PV Modules with 6" Mono Heterojunction Bifacial Solar Cells</b> 72 cells: JNHM72-xxx (xxx = 330-370, in increment of 5) 60 cells: JNHM60-xxx (xxx = 275-310, in increment of 5) Remark: xxx only indicates maximum power output of the front side.
Maximum system voltage:	1500V
Fuse rating:	15A
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:	<b>Double Glass PV Modules with 6" Mono Bifacial Solar Cells:</b> 72 cells: JNBM72-xxx (xxx = 360-390, in increment of 5) 60 cells: JNBM60-xxx (xxx = 300-325, in increment of 5) Remark: xxx only indicates maximum power output of the front side.
Maximum system voltage:	1500V
Fuse rating:	15A
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)



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Module types:	<b>Double Glass PV Modules with 6" Mono-crystalline Silicon Solar Cells:</b> 72 cells: JNGM72-xxx (xxx = 340-380, in increment of 5) 60 cells: JNGM60-xxx (xxx = 285-315, in increment of 5) 48 cells: JNGM48-xxx (xxx = 225-250, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	15A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa (without frame) 3600Pa / 2400Pa (with frame)
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Module types:	<b>Double Glass PV Modules with 6" Half-cut Mono Bifacial Solar Cells:</b> 144 cells: JNBM144-xxx (xxx = 365-465, in increment of 5) 120 cells: JNBM120-xxx (xxx = 305-385, in increment of 5) Remark: xxx only indicates maximum power output of the front side.
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)

## Remark:

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



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