

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

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

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

Description of product (details see Annex 2):

Crystalline Silicon Terrestrial Photovoltaic (PV) Modules



Valid from: 2024-04-17

Valid until: 2029-04-09

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	IEC 61215-1:2021 / EN IEC 61215-1:2021; IEC 61215-1-1:2021 / EN IEC 61215-1-1:2021; IEC 61215-2:2021 / EN IEC 61215-2:2021; IEC 61730-1:2023; IEC 61730-2:2023.
Registered No.:	44 780 24 406749 - 132R1M1
Manufacturer and factory(-ies):	See Annex 1
Test Report No.:	492013036.002
File No.:	PVP12042/23P-01



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Certification Body
Consumer Products

Essen, 2024-04-17



Please also pay attention to the information stated overleaf.

Manufacturer and factory(-ies):

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

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

Factory inspection report no.: 862010249.010

Factory 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.: 862010378.006

Remark:

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



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Description of product(s):

Module types:	Double Glass PV Modules with 182 x 91mm n-type TOPCon Bifacial Mono Solar Cells: 156 cells: JNBN156-xxx (xxx = 575-635, in increment of 5) 144 cells: JNBN144-xxx (xxx = 530-585, in increment of 5) 132 cells: JNBN132-xxx (xxx = 485-535, in increment of 5) 120 cells: JNBN120-xxx (xxx = 445-485, in increment of 5) 108 cells: JNBN108-xxx (xxx = 400-440, in increment of 5) 96 cells: JNBN96-xxx (xxx = 355-390, in increment of 5) Remark: xxx only indicates maximum power output of the front side.
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	30A
Electrical protection class:	Class II
Pollution degree:	1
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:	Double Glass PV Modules with 182 x 105mm n-type TOPCon Bifacial Mono Solar Cells: 132 cells: JNBN132-xxx (xxx = 585-615, in increment of 5) 120 cells: JNBN120-xxx (xxx = 530-560, in increment of 5) 108 cells: JNBN108-xxx (xxx = 480-500, in increment of 5) 96 cells: JNBN96-xxx (xxx = 425-445, in increment of 5) Remark: xxx only indicates maximum power output of the front side.
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	35A
Electrical protection class:	Class II
Pollution degree:	1
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:	Double Glass PV Modules with 210 x 105mm n-type TOPCon Bifacial Mono Solar Cells: 132 cells: JNBN132-xxx (xxx = 670-710, in increment of 5) 120 cells: JNBN120-xxx (xxx = 610-645, in increment of 5) Remark: xxx only indicates maximum power output of the front side.
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	35A
Electrical protection class:	Class II
Pollution degree:	1
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) attached to test report with same file no.



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