

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

Solar N Plus New Energy Technology Co., LTD.
No.1 Jianye Road, Zhongxin Suchu Industrial Development Zone,
Chuzhou City, Anhui Province,
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: 2023-07-07
Valid until: 2028-03-13

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 23 406749 - 057R1A1M1
Manufacturer:	see Annex 1
Test Report No.:	492012333.002
File No.:	PVP06085/23P-02



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Consumer Products



Essen, 2023-07-07

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: 44 780 23 406749 - 057R1A1M1


Aktenzeichen: / File reference: PVP06085/23P-02

Manufacturer:

Manufacturer: Coded by debtor no.55581284
Factory inspection report no.: 862010729.001

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 Half-cut 182mm PERC Monocrystalline Silicon Solar Cells:**
156 cells: SP-M10/156HGxxxW (xxx = 580-600, in increment of 5)
144 cells: SP-M10/144HGxxxW (xxx = 530-550, in increment of 5)
120 cells: SP-M10/120HGxxxW (xxx = 435-460, in increment of 5)
108 cells: SP-M10/108HGxxxW (xxx = 400-415, in increment of 5)
Remark: xxx indicates output power from the front side only.

Maximum system voltage: 1500V
Fuse rating: 30A or 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: **Double Glass PV Modules with Half-cut 182mm TOPCon Monocrystalline Silicon Solar Cells:**
144 cells: SP-N16/144HGxxxW (xxx = 560-580, in increment of 5)
120 cells: SP-N16/120HGxxxW (xxx = 465-480, in increment of 5)
108 cells: SP-N16/108HGxxxW (xxx = 415-435, in increment of 5)
Remark: xxx indicates output power from the front side only.

Maximum system voltage: 1500V
Fuse rating: 30A
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: **Double Glass PV Modules with Half-cut 210mm PERC Monocrystalline Silicon Solar Cells:**
132 cells: SP-G12/132HGxxxW (xxx = 645-675, in increment of 5)



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120 cells: SP-G12/120HGxxxW (xxx = 585-605, in increment of 5)

110 cells: SP-G12/110HGxxxW (xxx = 535-555, in increment of 5)

100 cells: SP-G12/100HGxxxW (xxx = 485-505, in increment of 5)

80 cells: SP-G12/80HGxxxW (xxx = 385-405, in increment of 5)

Remark: xxx indicates output power from the front side only.

Maximum system voltage:	1500V
Fuse rating:	30A
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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