

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

Anhui Schutten Solar Energy Co., Ltd.
NO.888, Weisan Road, Quanjiao Economic Development Area
Chuzhou City, Anhui Province, 239500,
P.R. 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: 2023-05-11
Valid until: 2027-12-10

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 19 406749 - 104R3A2M4
Manufacturer:	see Annex 1
Test Report No.:	492011218.005
File No.:	PVP11105/22P



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Essen, 2023-05-11

Please also pay attention to the information stated overleaf.

Manufacturer:

Manufacturer : **Anhui Schutten Solar Energy Co., Ltd.**
NO.888, Weisan Road, Quanjiao Economic Development Area
Chuzhou City, Anhui Province, 239500, P.R. China

Factory inspection report no.: 862010118.012

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:	PV Modules with 6" Mono-crystalline Silicon Solar Cells: 72 cells: STM6-xxx/72 (xxx = 320-380, in increment of 5) 60 cells: STM6-xxx/60 (xxx = 270-315, in increment of 5) 54 cells: STM6-xxx/54 (xxx = 240-285, in increment of 5) 48 cells: STM6-xxx/48 (xxx = 215-250, in increment of 5) 36 cells: STM6-xxx/36 (xxx = 160-190, 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):	1600Pa / 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: 144 half cut cells: STM-xxx/144-S2 (xxx=425-475, in increment of 5) 120 half cut cells: STM-xxx/120-S2 (xxx=355-395, in increment of 5) 144 half cut cells: STM-xxx/144-S1 (xxx=390-435, in increment of 5) 120 half cut cells: STM-xxx/120-S1 (xxx=325-360, 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)



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Module types:	PV Modules with 7" Half Cut Mono-crystalline Silicon Solar Cells: 144 half cut cells: STM-xxx/144-S3 (xxx=525-550, in increment of 5) 132 half cut cells: STM-xxx/132-S3 (xxx=480-505, in increment of 5) 120 half cut cells: STM-xxx/120-S3 (xxx=440-455, in increment of 5) 108 half cut cells: STM-xxx/108-S3 (xxx=395-410, in increment of 5) 96 half cut cells: STM-xxx/96-S3 (xxx=350-365, 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)

Module types:	PV Modules with 7" Half Cut TOPCon Bifacial Mono Solar Cells: 156 half cut cells: STM-xxx/156-S5 (xxx=610-630, in increment of 5) 144 half cut cells: STM-xxx/144-S5 (xxx=565-580, in increment of 5) 120 half cut cells: STM-xxx/120-S5 (xxx=470-485, in increment of 5) 108 half cut cells: STM-xxx/108-S5 (xxx=425-435, in increment of 5)
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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