

# CERTIFICATE

**TÜV NORD CERT GmbH**  
herewith declares that

**Suzhou Preta Intelligence And Technology Co.,Ltd.**

**No.55 Shangxiang Road, Huaqiao Corporation Head  
Quarter Centre,Suzhou City, 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: 2021-10-28  
Valid until: 2026-10-27

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 21 406749 - 228
Manufacturer:	see Annex 1
Test Report No.:	492011833.001
File No.:	PVP03069/21P



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**Certification Body**  
**Consumer Products**



Essen, 2021-10-28

Please also pay attention to the information stated overleaf.

**Manufacturer:**

Manufacturer: **Suzhou Preta Intelligence And Technology Co.,Ltd.**  
No.55 Shangxiang Road, Huaqiao Corporation Head  
Quarter Centre,Suzhou City, China

Factory inspection report no.: 862010573.001

**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:	<b>PV Modules with Half-cut 166mm Mono-crystalline Silicon Solar Cells:</b> 144 cells: GPM6-xxxW(144) (xxx=440-470, in steps of 5) 120 cells: GPM6-xxxW(120) (xxx=365-390, in steps of 5) 72 cells: GPM6-xxxW(72) (xxx=220-235, in steps of 5)
Maximum system voltage:	1500V
Fuse rating:	20A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	2400Pa / 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>PV Modules with Half-cut 182mm Mono-crystalline Silicon Solar Cells:</b> 144 cells: GPM-xxxW(144) (xxx=520-550, in steps of 5) 132 cells: GPM-xxxW(132) (xxx=475-505, in steps of 5) 120 cells: GPM-xxxW(120) (xxx=435-455, in steps of 5) 108 cells: GPM-xxxW(108) (xxx=390-410, in steps of 5) 72 cells: GPM-xxxW(72) (xxx=260-275, in steps of 5)
Maximum system voltage:	1500V
Fuse rating:	25A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	2400Pa / 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>PV Modules with Half-cut 210mm Mono-crystalline Silicon Solar Cells:</b>
	132 cells: GPM12-xxxW(132) (xxx=650-670, in steps of 5)
	120 cells: GPM12-xxxW(120) (xxx=590-610, in steps of 5)
	110 cells: GPM12-xxxW(110) (xxx=540-555, in steps of 5)
	72 cells: GPM12-xxxW(72) (xxx=355-365, in steps of 5)
Maximum system voltage:	1500V
Fuse rating:	30A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	2400Pa / 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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