

CERTIFICATE

TÜV NORD CERT GmbH

herewith declares that

Solar Fabrik GmbH

Hermann-Niggemann-Straße 7
D-63846 Laufach
Germany

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: 2024-02-04

Valid until: 2028-08-02

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	IEC 61701:2020
Remark:	Test Method 6
	Test duration: 1344 hours
Registered No.:	44 780 24 406749 - 049
Manufacturer:	see Annex 1
Test Report No.:	492012975.001
File No.:	PVP01036/24P-03



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Certification Body
Consumer Products



Essen, 2024-02-04

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / *Annex 1 to Certificate No.:* **44 780 24 406749 - 049**

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Aktenzeichen: / *File reference:* **PVP01036/24P-03**

2024-02-04

Manufacturer:

Manufacturer 1: **Coded by debtor no. 55560544**

Factory inspection report no.: 862010664.002

Manufacturer 2: **Coded by debtor no. 55578529**

Factory inspection report no.: 862010732.001

Manufacturer 3: **Coded by debtor no. 55587432**

Factory inspection report no.: 862010779.001

Manufacturer 4: **Coded by debtor no. 55594747**

Factory inspection report no.: 862010855.001

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 Mono-crystalline Silicon Solar Cells:**
144 cells: MS4 HC xxx BF-DGM TP PJ (xxx=530-560 in steps of 5)
132 cells: MS4 HC xxx BF-DGM TP PJ (xxx=485-510 in steps of 5)
120 cells: MS4 HC xxx BF-DGM TP PJ (xxx=440-465 in steps of 5)
108 cells: MS4 HC V xxx BF-DG IVP (xxx=400-420 in steps of 5)
96 cells: MS4 HC xxx BF-DG IVP (xxx=355-370 in steps of 5)
72 cells: MS4 HC xxx BF-DG IVP (xxx=265-280 in steps of 5)
Remark: xxx indicates output power from the front side only

Maximum system voltage: 1500V
Fuse rating: 30A
Application class: Class A
Electrical protection class: Class II

Module types: **Double Glass PV Modules with Half-cut 210mm Mono-crystalline Silicon Solar Cells:**
132 cells: MS4 HC V xxx BF-DGM TP PJ (xxx=650-670, in steps of 5)
120 cells: MS4 HC V xxx BF-DGM TP PJ (xxx=590-610, in steps of 5)
108 cells: MS4 HC xxx BF-DGM IVP PJ (xxx=530-545, in steps of 5)
96 cells: MS4 HC xxx BF-DGM IVP PJ (xxx=475-490, in steps of 5)
84 cells: MS4 HC xxx BF-DGM IVP (xxx=415-425, in steps of 5)
60 cells: MS5 HC V xxx BF-DG (xxx=285-310, in steps of 5)
Remark: xxx indicates output power from the front side only

Maximum system voltage: 1500V
Fuse rating: 35A or 15A
Application class: Class A
Electrical protection class: Class II



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Module types: **Double Glass PV Modules with Half-cut 210mm TOPCon Mono-crystalline Silicon Solar Cells:**
132 cells: MS4 HC xxx BF-DGM TP PJ (xxx=660-705 in steps of 5)
120 cells: MS4 HC xxx BF-DGM TP PJ (xxx=600-640 in steps of 5)
60 cells: MS5 HC xxx BF-DG (xxx=300-320 in steps of 5)
Remark: xxx indicates output power from the front side only

Maximum system voltage: 1500V

Fuse rating: 35A

Application class: Class A

Electrical protection class: Class II

Module types: **Double Glass PV Modules with Half-cut 182mm TOPCon Mono-crystalline Silicon Solar Cells:**
144 cells: Mono S4 HC V xxx BF-DG (xxx=545-590 in steps of 5)
132 cells: Mono S4 HC V xxx BF-DG (xxx=495-540 in steps of 5)
120 cells: Mono S4 HC V xxx BF-DG (xxx=445-490 in steps of 5)
108 cells: Mono S4 HC V xxx BF-DG (xxx=400-440 in steps of 5)
Remark: xxx indicates output power from the front side only

Maximum system voltage: 1500V

Fuse rating: 30A

Application class: Class A

Electrical protection class: Class II

Module types: **Double Glass PV Modules with Half-cut 186mm TOPCon Mono-crystalline Silicon Solar Cells:**
108 cells: MS4 HC xxx BF-DG IVP (xxx=405-445 in steps of 5)
Remark: xxx indicates output power from the front side only

Maximum system voltage: 1500V

Fuse rating: 30A

Application class: Class A

Electrical protection class: Class II

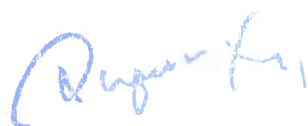


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Module types:	Double Glass PV Modules with Half-cut 191.6mm TOPCon Mono-crystalline Silicon Solar Cells: 144 cells: MS4 HC xxx BF-DG IVP (xxx=595-615 in steps of 5) 132 cells: MS4 HC xxx BF-DG IVP (xxx=545-560 in steps of 5) 120 cells: MS4 HC xxx BF-DG IVP (xxx=495-510 in steps of 5) 108 cells: MS4 HC xxx BF-DG (xxx=445-460 in steps of 5) Remark: xxx indicates output power from the front side only
Maximum system voltage:	1500V
Fuse rating:	30A
Application class:	Class A
Electrical protection class:	Class II

Remark:

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



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