

CERTIFICATE

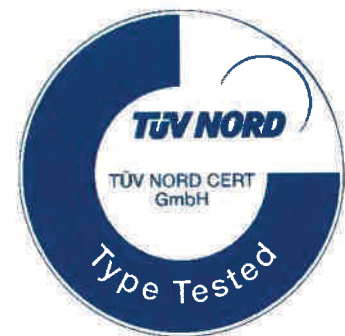
TÜV NORD CERT GmbH
herewith declares that

Viessmann Climate Solutions SE
Viessmannstrasse 1
35108 Allendorf
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: 2023-05-15

Valid until: 2027-10-19

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 - 260R6A1M6
Manufacturer:	see Annex 1
Test Report No.:	492011265.007
File No.:	PVP02187/23P-01



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Essen, 2023-05-15

Please also pay attention to the information stated overleaf.

Manufacturer:

Manufacturer 1:	Tongwei Solar (Hefei) Co., Ltd. No.888, Changning Road, High-tech District, Hefei City, Anhui Province, 230088, P.R. China
Factory inspection report no.:	862010358.005
Manufacturer 2:	Hefei GCL System Integration New Energy Technology Co., Ltd. Southeast Corner of Intersection of Sidingshan Road and Ruquan Road, Hefei Circular Economy Demonstration Park, Feidong County, Hefei City, Anhui Province, P.R. China
Factory inspection report no.:	862010696.001
Manufacturer 3:	Jiangsu Yueyang Photovoltaic Technology Co., Ltd. 777 Tangqiao Road, High-tech Economic Zone, Jianhu County, Yancheng City, 224700 Jiangsu Province, P.R. China.
Factory inspection report no.:	862010688.001
Manufacturer 4:	Tangshan Haitai New Energy Technology Co., Ltd. Yutai Industrial Zone, Yutian, Tangshan City Hebei Province, 064100, P.R. China
Factory inspection report no.:	862010687.001
Manufacturer 5:	SIYANG TALESUN NEW ENERGY TECHNOLOGIES CO., LTD. No.211 Zhongxing East Road, Siyang Economic Development Zone, 223700 Suqian City, Jiangsu, China
Factory inspection report no.:	862010690.001
Manufacturer 6:	Peixian Talesun New Energy Technology Co., Ltd. 18 Hanrun Road, Peixian Economic Development Zone, 221600 Xuzhou City, Jiangsu, China
Factory inspection report no.:	862010694.001



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Manufacturer 7: **Zibo JinenU Solar Technology Co., LTD.**
3005, Silk Road, Zhoucun District,
Zibo, Shandong China

Factory inspection report no.: 862010689.001

Manufacturer 8: **Jiangsu Huapeng Photovoltaic Technology Co., LTD.**
No. 118, Jingang Road, Yangzhou economic and Technological
Development Zone, 225100 Yangzhou City, Jiangsu Province,
PEOPLE'S REPUBLIC OF CHINA

Factory inspection report no.: 862010695.001

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:	PV Modules with Segmented 6" PERC Mono-crystalline Silicon Solar Cells 408 cells: Vitovolt 300 Mxxx WF (xxx = 460-505, in increment of 5) 408 cells: Vitovolt 300 Mxxx WF Allblack(xxx = 460-500, in increment of 5) 408 cells: Vitovolt 300 Mxxx WF Blackframe(xxx = 460-505, in increment of 5) 340 cells: Vitovolt 300 Mxxx WE (xxx = 380-420, in increment of 5) 340 cells: Vitovolt 300 Mxxx WK (xxx = 380-420, in increment of 5) 340 cells: Vitovolt 300 Mxxx WE Allblack (xxx = 380-415, in increment of 5) 340 cells: Vitovolt 300 Mxxx WK Allblack (xxx = 380-415, in increment of 5) 340 cells: Vitovolt 300 Mxxx WE Blackframe (xxx = 380-420, in increment of 5) 340 cells: Vitovolt 300 Mxxx WK Blackframe (xxx = 380-420, in increment of 5) 360 cells: Vitovolt 300 Mxxx WG (xxx = 370-400, in increment of 5) 360 cells: Vitovolt 300 Mxxx WG Allblack (xxx = 370-400, in increment of 5) 360 cells: Vitovolt 300 Mxxx WG Blackframe (xxx = 370-400, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	20A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	III or II or I, refer to test report for details
Design load (positive / negative):	2400Pa / 2400Pa or 3600Pa / 1600Pa, refer to test report for details
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 Segmented 8" PERC Mono-crystalline Silicon Solar Cells 345 cells: Vitovolt 300 Mxxx WI (xxx = 535-555, in increment of 5) 320 cells: Vitovolt 300 Mxxx WL (xxx = 425-445, in increment of 5) 320 cells: Vitovolt 300 Mxxx WL Blackframe (xxx = 425-445, in increment of 5) 320 cells: Vitovolt 300 Mxxx WL Allblack (xxx = 420-440, in increment of 5) 305 cells: Vitovolt 300 Mxxx WM (xxx = 405-425, in increment of 5) 305 cells: Vitovolt 300 Mxxx WM Blackframe (xxx = 405-425, in increment of 5) 305 cells: Vitovolt 300 Mxxx WM Allblack (xxx = 400-420, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	30A or 25A, refer to test report for details
Electrical protection class:	Class II
Pollution degree:	1
Material group:	III or II or I, refer to test report for details
Design load (positive / negative):	3600Pa / 1600Pa, refer to test report for details
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 Half-cut 7" PERC Mono-crystalline Silicon Solar Cells: 144 cells: Vitovolt 300 Mxxx WR (xxx = 525-570, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	25A or 20A, refer to CDF for details
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa, refer to CDF for details
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 Half-cut 7" TOPCon Mono-crystalline Silicon Solar Cells: 108 cells: Vitovolt 300 Mxxx WP(xxx = 395-440, in increment of 5) 108 cells: Vitovolt 300 Mxxx WP Blackframe(xxx = 395-440, in increment of 5) 108 cells: Vitovolt 300 Mxxx WP Allblack (xxx = 395-440, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	25A or 20A, refer to CDF for details
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa, refer to CDF for details
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 test report.



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