CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

Ronma Solar Technology (Jinhua) Co., Ltd.
No.180 Jinwu North Street, Jiangdong Town, Jindong District,
Jinhua City, Zhejiang 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: 2024-08-30
Valid until: 2029-08-29

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	IEC 61215-1:2021 / EN IEC 61215-1:2021; IEC 61215-1-1:2021 / EN IEC 61215-1-1:2021; IEC 61215-2:2021 / EN IEC 61215-2:2021; IEC 61730-1:2023; IEC 61730-2:2023.
Registered No.:	44 780 24 406749 – 356
Manufacturer and factory(-ies):	See Annex 1
Test Report No.:	492013258.001
File No.:	PVP03009/24P-04

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Consumer Products

Essen, 2024-08-30

Please also pay attention to the information stated overleaf.

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Manufacturer and factory(-ies):

Manufacturer:	**Ronma Solar Technology (Jinhua) Co., Ltd.** No.180 Jinwu North Street, Jiangdong Town, Jindong District, Jinhua City, Zhejiang Province, China
Factory 1:	**Shandong Ronma Solar Co., Ltd.** Room 217, No.39 Weihe Road, Dongying Development Zone Dongying City, Shandong Province, China
Factory inspection report no.:	862010489.003
Factory 2:	**Ronma Solar Technology (Jinhua) Co., Ltd.** No.180 Jinwu North Street, Jiangdong Town, Jindong District, Jinhua City, Zhejiang Province, China
Factory inspection report no.:	862010932.001

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 8" Mono-crystalline Silicon Solar Cells:** 132 cells: RM-xxxW-210M/132 Bifacial (xxx = 635-660, in increment of 5) 120 cells: RM-xxxW-210M/120 Bifacial (xxx = 580-600, in increment of 5) 108 cells: RM-xxxW-210M/108 Bifacial (xxx = 520-540, in increment of 5) 96 cells: RM-xxxW-210M/96 Bifacial (xxx = 460-480, in increment of 5) 84 cells: RM-xxxW-210M/84 Bifacial (xxx = 405-420, in increment of 5)
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	35A or 30A
Electrical protection class:	Class II
Pollution degree:	1
98th percentile module operating temperature (T_{98})	70°C
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 7" Mono-crystalline Silicon Solar Cells:** 156 cells: RM-xxxW-182M/156 Bifacial (xxx = 560-605, in increment of 5) 144 cells: RM-xxxW-182M/144 Bifacial (xxx = 520-555, in increment of 5) 132 cells: RM-xxxW-182M/132 Bifacial (xxx = 480-510, in increment of 5) 120 cells: RM-xxxW-182M/120 Bifacial (xxx = 435-465, in increment of 5) 108 cells: RM-xxxW-182M/108 Bifacial (xxx = 390-415, in increment of 5)
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	30A
Electrical protection class:	Class II
Pollution degree:	1
98th percentile module operating temperature (T_{98})	70°C
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:	**Double Glass PV Modules with 8" TOPCon Mono-crystalline Silicon Solar Cells:** 132 cells: RM-xxxW-210M/132TB (xxx = 660-725, in increment of 5) 120 cells: RM-xxxW-210M/120TB (xxx = 605-660, in increment of 5) 110 cells: RM-xxxW-210M/110TB (xxx = 550-600, in increment of 5) 108 cells: RM-xxxW-210M/108TB (xxx = 540-590, in increment of 5) 100 cells: RM-xxxW-210M/100TB (xxx = 500-545, in increment of 5)
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	35A or 30A
Electrical protection class:	Class II
Pollution degree:	1
98th percentile module operating temperature (T_{98})	70°C
Design load (positive / negative):	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class A according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Module types:	**Double Glass PV Modules with 7" TOPCon Mono-crystalline Silicon Solar Cells:** 156 cells: RM-xxxW-182M/156TB (xxx = 580-650, in increment of 5) 144 cells: RM-xxxW-182M/144TB (xxx = 560-600, in increment of 5) 132 cells: RM-xxxW-182M/132TB (xxx = 510-550, in increment of 5) 120 cells: RM-xxxW-182M/120TB (xxx = 465-500, in increment of 5) 108 cells: RM-xxxW-182M/108TB (xxx = 420-450, in increment of 5) 132 cells: RM-xxxW-182R/132TB (xxx = 580-620, in increment of 5) 120 cells: RM-xxxW-182R/120TB (xxx = 530-560, in increment of 5) 108 cells: RM-xxxW-182R/108TB (xxx = 475-505, in increment of 5) 96 cells: RM-xxxW-182R/96TB (xxx = 420-450, in increment of 5)
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	35A or 30A
Electrical protection class:	Class II
Pollution degree:	1
98th percentile module operating temperature (T_{98})	70°C
Design load (positive / negative):	3600Pa / 1600Pa

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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) attached to test report with same file no.

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