TÜVNORD

Certificate

TÜVNORD
TÜV NORD CERT GmbH
Type Tested
tuev-nord.de

This certifies that the company:

Ronma Solar Technology (Jinhua) Co., Ltd.
Room 202, 2nd floor, No.168 Jinxian Road, Jiangdong Town,
Jindong District, Jinhua City, Zhejiang province
China

is authorized to provide the product(s) mentioned below with the mark as illustrated.

Manufacturer and factory(-ies):	See Annex 1
Description of product(s) (details see Annex 2):	**Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**
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

It is certified by TÜV NORD CERT GmbH that the product(s) described above has(have) been assessed according to the certification program mentioned above and found in compliance with the requirements of above specified certification fundamental(s). This certification is based on evaluation results as documented in test report(s) referenced below and production site(s) audit results as documented in factory inspection report(s) referenced in Annex 1. This certificate is valid in conjunction with these quoted report(s).

Registration no.:	44 780 24 406749 - 356R5A1M3	
Report no.:	492013258.006	Valid from: 2026-02-26
File no.:	PVP02011/26P	Valid until: 2029-08-29

Essen, 2026-02-26

Certification Body - Consumer Products

TÜV NORD CERT GmbH
Am TÜV 1, 45307 Essen, Germany
tuev-nord-cert.de | prodcert@tuev-nord.de

Visit our database to verify the validity of this certificate.

Please also pay attention to the information stated overleaf.

TÜV ®

Annex 1

to certificate registration no. 44 780 24 406749 - 356R5A1M3

Manufacturer:	**Ronma Solar Technology (Jinhua) Co., Ltd.** Room 202, 2nd floor, No.168 Jinxian Road, Jiangdong Town, Jindong District, Jinhua City, Zhejiang province China
Factory 1:	**Shandong Ronma Solar Co., Ltd.** No.39 Weihe Road, Dongying Development Zone Dongying City, Shandong Province, China
Factory inspection report no.:	862010489.006
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.:	862010932.002

Remark: Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.

Essen, 2026-02-26

Certification Body - Consumer Products

TÜV NORD CERT GmbH
Am TÜV 1, 45307 Essen, Germany
tuev-nord-cert.de | prodcert@tuev-nord.de

TÜV ®

Annex 2

to certificate registration no. 44 780 24 406749 - 356R5A1M3

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) Remark: xxx indicates rated output power generated from front side under STC
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 or C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)
Isc bifaciality coefficient (φIsc):	80% ± 10%

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

Essen, 2026-02-26

Certification Body - Consumer Products

TÜV NORD CERT GmbH
Am TÜV 1, 45307 Essen, Germany
tuev-nord-cert.de | prodcert@tuev-nord.de

TÜV ®

Annex 2

to certificate registration no. 44 780 24 406749 - 356R5A1M3

Design load (positive / negative):	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class A or C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)
Isc bifaciality coefficient (φIsc):	80% ± 10%
Module types:	**Double Glass PV Modules with 8" TOPCon Mono-crystalline Silicon Solar Cells:** 132 cells: RM-xxxW-210M/132TB (xxx = 660-745, in increment of 5) 120 cells: RM-xxxW-210M/120TB (xxx = 605-670, in increment of 5) 110 cells: RM-xxxW-210M/110TB (xxx = 550-600, in increment of 5) 108 cells: RM-xxxW-210M/108TB (xxx = 540-605, in increment of 5) 100 cells: RM-xxxW-210M/100TB (xxx = 500-560, in increment of 5) 156 cells: RM-xxxW-210R/156TB (xxx = 715-750, in increment of 5) 144 cells: RM-xxxW-210R/144TB (xxx = 660-695, in increment of 5) 132 cells: RM-xxxW-210R/132TB (xxx = 605-635, in increment of 5) Remark: xxx indicates rated output power generated from front side under STC
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 or C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)
Isc bifaciality coefficient (φIsc):	80% ± 10%
Module types:	**Double Glass PV Modules with 7" TOPCon Mono-crystalline Silicon Solar Cells:** 156 cells: RM-xxxW-182M/156TB (xxx = 580-670, in increment of 5) 144 cells: RM-xxxW-182M/144TB (xxx = 560-615, in increment of 5) 132 cells: RM-xxxW-182M/132TB (xxx = 510-565, in increment of 5) 120 cells: RM-xxxW-182M/120TB (xxx = 465-515, in increment of 5) 108 cells: RM-xxxW-182M/108TB (xxx = 420-460, in increment of 5) 132 cells: RM-xxxW-182R/132TB (xxx = 580-650, in increment of 5)

Essen, 2026-02-26

Certification Body - Consumer Products

TÜV NORD CERT GmbH
Am TÜV 1, 45307 Essen, Germany
tuev-nord-cert.de | prodcert@tuev-nord.de

TÜV ®

Annex 2

to certificate registration no. 44 780 24 406749 - 356R5A1M3

	120 cells: RM-xxxW-182R/120TB (xxx = 530-585, in increment of 5) 108 cells: RM-xxxW-182R/108TB (xxx = 475-530, in increment of 5) 96 cells: RM-xxxW-182R/96TB (xxx = 420-470, in increment of 5) 120 cells: RM-xxxW-187R/120TB (xxx = 485-515, in increment of 5) 108 cells: RM-xxxW-187R/108TB (xxx = 435-465, in increment of 5) 156 cells: RM-xxxW-182M/156ZB (xxx = 600-655, in increment of 5) 144 cells: RM-xxxW-182M/144ZB (xxx = 560-605, in increment of 5) 132 cells: RM-xxxW-182M/132ZB (xxx = 510-555, in increment of 5) 120 cells: RM-xxxW-182M/120ZB (xxx = 465-500, in increment of 5) 108 cells: RM-xxxW-182M/108ZB (xxx = 420-450, in increment of 5) Remark: xxx indicates rated output power generated from front side under STC
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 or C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)
Isc bifaciality coefficient (φIsc):	80% ± 10%

Remark:
For detailed product information, please refer to CDF (Constructional Data Form) with the same file no.
Isc bifaciality coefficient (φIsc) = Isc_{rear}/Isc_{front}, as defined in IEC TS 60904-1-2.
The tolerance of Isc bifaciality coefficient (φIsc) is claimed by client.

Essen, 2026-02-26

Certification Body - Consumer Products

TÜV NORD CERT GmbH
Am TÜV 1, 45307 Essen, Germany
tuev-nord-cert.de | prodcert@tuev-nord.de

TÜV ®