

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

RESTAR SOLAR RENEWABLE ENERGY CO., LTD
No.30 Yongshun Road, Zhulin Town,
Jintan District, Changzhou, Jiangsu, 213200,
China

is authorized to provide the product mentioned below with the mark as illustrated:

Description of product (details see Annex 2):

PV Modules with 6" Mono-crystalline Silicon Solar Cells

PV Modules with 6" Segmented Mono-crystalline Silicon Solar Cells



Valid from: 2021-05-14

Valid until: 2026-05-13

Tested according to: 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 - 085
Manufacturer: see Annex 1
Test Report No.: 492011662.001
File No.: PVP10047/20P



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2021-05-14

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: 44 780 21 406749 - 085

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Aktenzeichen: / File reference: PVP10047/20P

2021-05-14

Manufacturer:

Manufacturer: **RESTAR SOLAR RENEWABLE ENERGY CO., LTD**
No.30 Yongshun Road, Zhulin Town,
Jintan District, Changzhou, Jiangsu, 213200, China

Factory inspection report no.: 862010495.001

Remark:

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

A handwritten signature in blue ink, appearing to read "Rogers".

TÜV NORD CERT GmbH
Certification Body
Consumer Products

Description of product(s):

Module types:	PV Modules with 6" Mono-crystalline Silicon Solar Cells 36 cells: RTMxxxM (xxx = 165-190, in increment of 5)
Maximum system voltage:	1000V
Fuse rating:	15A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
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:	PV Modules with 6" Segmented Mono-crystalline Silicon Solar Cells 36 cells: RTMxxxM (xxx = 25, 30) 36 cells: RTMxxxM (xxx = 35) 36 cells: RTMxxxM (xxx = 40, 45) 36 cells: RTMxxxM (xxx = 55, 60) 36 cells: RTMxxxM (xxx = 65, 70) 36 cells: RTMxxxM (xxx = 80-90, in increment of 5) 40 cells: RTMxxxM (xxx = 95, 100) 36 cells: RTMxxxM (xxx = 105-115, in increment of 5) 36 cells: RTMxxxM (xxx = 120-135, in increment of 5) 72 cells: RTMxxxM (xxx = 195-210, in increment of 5)
Maximum system voltage:	1000V
Fuse rating:	15A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
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)

Remark:

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



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Description of product (details see Annex 2):

PV Modules with 6" Poly-crystalline Silicon Solar Cells

PV Modules with 6" Segmented Poly-crystalline Silicon Solar Cells



Valid from: 2021-05-14

Valid until: 2026-05-13

Tested according to: 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 - 086
Manufacturer: see Annex 1
Test Report No.: 492011662.001
File No.: PVP10047/20P



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2021-05-14

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: 44 780 21 406749 - 086

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Aktenzeichen: / File reference: PVP10047/20P

2021-05-14

Manufacturer:

Manufacturer: **RESTAR SOLAR RENEWABLE ENERGY CO., LTD**
No.30 Yongshun Road, Zhulin Town,
Jintan District, Changzhou, Jiangsu, 213200, China

Factory inspection report no.: 862010495.001

Remark:

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

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Certification Body
Consumer Products

Description of product(s):

Module types:	PV Modules with 6" Poly-crystalline Silicon Solar Cells 36 cells: RT6ExxxP (xxx = 150-175, in increment of 5)
Maximum system voltage:	1000V
Fuse rating:	15A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
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:	PV Modules with 6" Segmented Poly-crystalline Silicon Solar Cells 36 cells: RTMxxxP (xxx = 25) 36 cells: RTMxxxP (xxx = 30) 36 cells: RTMxxxP (xxx = 35, 40) 36 cells: RTMxxxP (xxx = 50, 55) 36 cells: RTMxxxP (xxx = 60, 65) 36 cells: RTMxxxP (xxx = 75, 80) 40 cells: RTMxxxP (xxx = 85-95, in increment of 5) 36 cells: RTMxxxP (xxx = 100, 105) 36 cells: RTMxxxP (xxx = 110-125, in increment of 5) 72 cells: RTMxxxP (xxx = 180-210, in increment of 5)
Maximum system voltage:	1000V
Fuse rating:	15A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
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)

Remark:

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



TÜV NORD CERT GmbH
Certification Body
Consumer Products

Certificate of conformity with the following European Directives

Registered No.:

44 799 14 406749 - 050

Low-Voltage Directive 2014/35/EU

Date of application	File reference	Test report No.	Date of issue	Place of issue
2020-11-05	PVP10047/20P	492011662.001	2021-05-14	Essen

This is to certify that the following products comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:


Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

Type designation: See Annex 1

Applicant: **RESTAR SOLAR RENEWABLE ENERGY CO., LTD**
No.30 Yongshun Road, Zhulin Town,
Jintan District, Changzhou, Jiangsu, 213200, China

Standard(s): EN IEC 61730-1:2018; EN IEC 61730-1:2018/AC:2018-06
EN IEC 61730-2:2018; EN IEC 61730-2:2018/AC:2018-06

This Certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.



Certification Body
Specialist Manager Consumer Products

TÜV NORD CERT GmbH
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D-45032 Essen
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Fax: +49 (0)201 825-3209
Email: prodcert@tuev-nord.de

Description of product(s):

- Module types: **PV Modules with 6" Mono-crystalline Silicon Solar Cells:**
36 cells: RTMxxxM (xxx = 165-190, in increment of 5)
- Module types: **PV Modules with 6" Segmented Mono-crystalline Silicon Solar Cells:**
36 cells: RTMxxxM (xxx = 25, 30)
36 cells: RTMxxxM (xxx = 35)
36 cells: RTMxxxM (xxx = 40, 45)
36 cells: RTMxxxM (xxx = 55, 60)
36 cells: RTMxxxM (xxx = 65, 70)
36 cells: RTMxxxM (xxx = 80-90, in increment of 5)
40 cells: RTMxxxM (xxx = 95, 100)
36 cells: RTMxxxM (xxx = 105-115, in increment of 5)
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- Module types: **PV Modules with 6" Poly-crystalline Silicon Solar Cells:**
36 cells: RT6ExxxP (xxx = 150-175, in increment of 5)
- Module types: **PV Modules with 6" Segmented Poly-crystalline Silicon Solar Cells:**
36 cells: RTMxxxP (xxx = 25)
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36 cells: RTMxxxP (xxx = 35, 40)
36 cells: RTMxxxP (xxx = 50, 55)
36 cells: RTMxxxP (xxx = 60, 65)
36 cells: RTMxxxP (xxx = 75, 80)
40 cells: RTMxxxP (xxx = 85-95, in increment of 5)
36 cells: RTMxxxP (xxx = 100, 105)
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