

Certificate of conformity with the following European Directives

Registered No.:
44 799 21 406749 - 029

Low-Voltage Directive 2014/35/EU

Date of application	File reference	Test report No.	Date of issue	Place of issue
2021-03-30	PVP03102/21P	492011292.003	2021-04-08	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: **JUST SOLAR CO., LIMITED**
1B288, No.280 Xinbang Road, Minhang District,
Shanghai, 201702, P.R. 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
Langemarckstrasse 20
D-45141 Essen
P.O.Box 10 32 61
D-45032 Essen
Fon: +49 (0)201 825-5120
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:

72 cells: JST156*156-M-72-***W (***) = 310-375, in increment of 5)
60 cells: JST156*156-M-60-***W (***) = 260-310, in increment of 5)
54 cells: JST156*156-M-54-***W (***) = 235-270, in increment of 5)
48 cells: JST156*156-M-48-***W (***) = 205-240, in increment of 5)
42 cells: JST156*156-M-42-***W (***) = 185-210, in increment of 5)
36 cells: JST156*156-M-36-***W (***) = 160-180, in increment of 5)
30 cells: JST156*156-M-30-***W (***) = 135-150, in increment of 5)
72 cells: JST158*158-M-72-***W (***) = 380-395, in increment of 5)
60 cells: JST158*158-M-60-***W (***) = 320-330, in increment of 5)

Module types:

PV Modules with 6" Half Cut Mono-crystalline Silicon Solar Cells:

144 cells: JST158*158-M-72-H-***W (***) = 365-400, in increment of 5)
132 cells: JST158*158-M-66-H-***W (***) = 335-365, in increment of 5)
120 cells: JST158*158-M-60-H-***W (***) = 305-330, in increment of 5)
144 cells: JST158*158-M-72-MH-***W (***) = 390-410, in increment of 5)
132 cells: JST158*158-M-66-MH-***W (***) = 360-375, in increment of 5)
120 cells: JST158*158-M-60-MH-***W (***) = 325-340, in increment of 5)
144 cells: JST166*166-M-72-MH-***W (***) = 420-455, in increment of 5)
132 cells: JST166*166-M-66-MH-***W (***) = 385-415, in increment of 5)
120 cells: JST166*166-M-60-MH-***W (***) = 350-380, in increment of 5)

Module types:

PV Modules with 7" Half Cut Mono-crystalline Silicon Solar Cells:

156 cells: JST182*182-M-78-MH-***W (***) = 560-605, in increment of 5)
144 cells: JST182*182-M-72-MH-***W (***) = 515-555, in increment of 5)
132 cells: JST182*182-M-66-MH-***W (***) = 475-510, in increment of 5)
120 cells: JST182*182-M-60-MH-***W (***) = 430-465, in increment of 5)
108 cells: JST182*182-M-54-MH-***W (***) = 390-415, in increment of 5)



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CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

JUST SOLAR CO., LIMITED
1B288, No.280 Xingang Road, Minhang District,
Shanghai, 201702
P.R. 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" Half Cut Mono-crystalline Silicon Solar Cells

PV Modules with 7" Half Cut Mono-crystalline Silicon Solar Cells



Valid from: 2021-04-08

Valid until: 2023-05-09

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 19 406749 - 271R2M2
Manufacturer: see Annex 1
Test Report No.: 492011292.003
File No.: PVP03102/21P



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Consumer Products



Essen, 2021-04-08

Please also pay attention to the information stated overleaf.

Description of product(s):

Module types:

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

72 cells: JST156*156-M-72-***W(*** = 310-375, in increment of 5)

60 cells: JST156*156-M-60-***W(*** = 260-310, in increment of 5)

54 cells: JST156*156-M-54-***W(*** = 235-270, in increment of 5)

48 cells: JST156*156-M-48-***W(*** = 205-240, in increment of 5)

42 cells: JST156*156-M-42-***W(*** = 185-210, in increment of 5)

36 cells: JST156*156-M-36-***W(*** = 160-180, in increment of 5)

30 cells: JST156*156-M-30-***W(*** = 135-150, in increment of 5)

Maximum system voltage:

1500V

Fuse rating:

15A

Electrical protection class:

Class II

Pollution degree:

1

Material group:

I or II

Design load (positive / negative):

5400Pa (positive) / 2400Pa (negative) or

3600Pa (positive) / 1600Pa (negative)

Safety factors:

1.5

Fire safety class:

Class C according to ANSI/UL 1703-2018 (per ANSI/UL 790-2018)

Module types:

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

72 cells: JST158*158-M-72-***W(*** = 380-395, in increment of 5)

60 cells: JST158*158-M-60-***W(*** = 320-330, in increment of 5)

Maximum system voltage:

1500V

Fuse rating:

15A

Electrical protection class:

Class II

Pollution degree:

1

Material group:

I or II

Design load (positive / negative):

3600Pa (positive) / 1600Pa (negative)

Safety factors:

1.5

Fire safety class:

Class C according to ANSI/UL 1703-2018 (per ANSI/UL 790-2018)

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Module types:	PV Modules with 6" Half Cut Mono-crystalline Silicon Solar Cells: 144 cells: JST158*158-M-72-H-***W (***) = 365-400, in increment of 5) 132 cells: JST158*158-M-66-H-***W (***) = 335-365, in increment of 5) 120 cells: JST158*158-M-60-H-***W (***) = 305-330, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	15A or 20A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I or II
Design load (positive / negative):	3600Pa (positive) / 1600Pa (negative)
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (per ANSI/UL 790-2018)

Module types:	PV Modules with 6" Half Cut Mono-crystalline Silicon Solar Cells: 144 cells: JST158*158-M-72-MH-***W (***) = 390-410, in increment of 5) 132 cells: JST158*158-M-66-MH-***W (***) = 360-375, in increment of 5) 120 cells: JST158*158-M-60-MH-***W (***) = 325-340, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	15A or 20A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I or II
Design load (positive / negative):	3600Pa (positive) / 1600Pa (negative)
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (per ANSI/UL 790-2018)



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Module types:	PV Modules with 6" Half Cut Mono-crystalline Silicon Solar Cells: 144 cells: JST166*166-M-72-MH-***W (***) = 420-455, in increment of 5) 132 cells: JST166*166-M-66-MH-***W (***) = 385-415, in increment of 5) 120 cells: JST166*166-M-60-MH-***W (***) = 350-380, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	20A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I or II
Design load (positive / negative):	3600Pa (positive) / 1600Pa (negative)
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (per ANSI/UL 790-2018)

Module types:	PV Modules with 7" Half Cut Mono-crystalline Silicon Solar Cells: 156 cells: JST182*182-M-78-MH-***W (***) = 560-605, in increment of 5) 144 cells: JST182*182-M-72-MH-***W (***) = 515-555, in increment of 5) 132 cells: JST182*182-M-66-MH-***W (***) = 475-510, in increment of 5) 120 cells: JST182*182-M-60-MH-***W (***) = 430-465, in increment of 5) 108 cells: JST182*182-M-54-MH-***W (***) = 390-415, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	25A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I or II
Design load (positive / negative):	3600Pa (positive) / 1600Pa (negative)
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (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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