

CERTIFICATE

TÜV NORD CERT GmbH

herewith declares that

Perlight Solar Co., Ltd.

Oufeng Road, Muyu Administration Area, Zeguo Town
Wenling City, Zhejiang Province, 317521
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



Valid from: 2020-08-12

Valid until: 2023-04-19

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 - 185R2M2
Manufacturer: see Annex 1
Test Report No.: 492010992.007
File No.: SHV06040/19-02



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2020-08-12

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: **44 780 19 406749 - 185R2M2**

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Aktenzeichen: / File reference: **SHV06040/19-02**

2020-08-12

Manufacturer:

Manufacturer: **Perlight Solar Co., Ltd.**
Oufeng Road, Muyu Administration Area, Zeguo Town
Wenling City, Zhejiang Province, 317521, P.R. China

Factory inspection report no.: **862010190.007**

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 6" Mono-crystalline Silicon Solar Cells:

78 cells: PLM-xxxM-78 (xxx=370-420, in increment of 5)
 78 cells: PLM-xxxMB-78 (xxx=370-420, in increment of 5)
 72 cells: PLM-xxxM-72 (xxx=320-390, in increment of 5)
 72 cells: PLM-xxxMB-72 (xxx=320-390, in increment of 5)
 66 cells: PLM-xxxM-66 (xxx=295-360, in increment of 5)
 66 cells: PLM-xxxMB-66 (xxx=295-360, in increment of 5)
 60 cells: PLM-xxxM-60 (xxx=270-325, in increment of 5)
 60 cells: PLM-xxxMB-60 (xxx=270-325, in increment of 5)
 54 cells: PLM-xxxM-54 (xxx=240-295, in increment of 5)
 54 cells: PLM-xxxMB-54 (xxx=240-295, in increment of 5)
 50 cells: PLM-xxxM-50 (xxx=225-270, in increment of 5)
 50 cells: PLM-xxxMB-50 (xxx=225-270, in increment of 5)
 48 cells: PLM-xxxM-48 (xxx=215-260, in increment of 5)
 48 cells: PLM-xxxMB-48 (xxx=215-260, in increment of 5)
 36 cells: PLM-xxxM-36 (xxx=160-195, in increment of 5)
 36 cells: PLM-xxxMB-36 (xxx=160-195, in increment of 5)
 33 cells: PLM-xxxM-33 (xxx=145-180, in increment of 5)
 33 cells: PLM-xxxMB-33 (xxx=145-180, in increment of 5)
 32 cells: PLM-xxxM-32 (xxx=145-175, in increment of 5)
 32 cells: PLM-xxxMB-32 (xxx=145-175, in increment of 5)
 25 cells: PLM-xxxM-25 (xxx=115-135, in increment of 5)
 25 cells: PLM-xxxMB-25 (xxx=115-135, in increment of 5)
 24 cells: PLM-xxxM-24 (xxx=110-130, in increment of 5)
 24 cells: PLM-xxxMB-24 (xxx=110-130, in increment of 5)
 22 cells: PLM-xxxM-22 (xxx=100-120, in increment of 5)
 22 cells: PLM-xxxMB-22 (xxx=100-120, in increment of 5)
 20 cells: PLM-xxxM-20 (xxx=95, 100, 105, 110)
 20 cells: PLM-xxxMB-20 (xxx=95, 100, 105, 110)
 16 cells: PLM-xxxM-16 (xxx=75, 80, 85)
 16 cells: PLM-xxxMB-16 (xxx=75, 80, 85)
 15 cells: PLM-xxxM-15 (xxx=65, 70, 75, 80)
 15 cells: PLM-xxxMB-15 (xxx=65, 70, 75, 80)
 14 cells: PLM-xxxM-14 (xxx=65, 70, 75)
 14 cells: PLM-xxxMB-14 (xxx=65, 70, 75)
 "B" means with black backsheet, black frame and black silica gel

Maximum system voltage:

1000V



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Fuse rating:	15A
Electrical protection class:	Class II
Pollution degree:	1 or 2, refer to CDF for details
Material group:	I
Design load (positive / negative):	5400Pa / 5400Pa for frame with a thickness of 68.7mm 3600Pa / 1600Pa for others 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 CDF (Constructional Data Form) in Annex 1 of test report.



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Wenling City, Zhejiang Province, 317521
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" Poly-crystalline Silicon Solar Cells



Valid from: 2020-08-12

Valid until: 2023-04-19

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 - 186R1M2

Manufacturer: see Annex 1

Test Report No.: 492010992.007

File No.: SHV06040/19-02



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2020-08-12

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: **44 780 19 406749 - 186R1M2**

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Aktenzeichen: / File reference: **SHV06040/19-02**

2020-08-12

Manufacturer:

Manufacturer: **Perlight Solar Co., Ltd.**
Oufeng Road, Muyu Administration Area, Zeguo Town
Wenling City, Zhejiang Province, 317521, P.R. China

Factory inspection report no.: **862010190.007**

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 6" Poly-crystalline Silicon Solar Cells

72 cells: PLM-xxxP-72 (xxx=315-345, in increment of 5)
 72 cells: PLM-xxxPB-72 (xxx=315-345, in increment of 5)
 66 cells: PLM-xxxP-66 (xxx=290-315, in increment of 5)
 66 cells: PLM-xxxPB-66 (xxx=290-315, in increment of 5)
 60 cells: PLM-xxxP-60 (xxx=265-285, in increment of 5)
 60 cells: PLM-xxxPB-60 (xxx=265-285, in increment of 5)
 54 cells: PLM-xxxP-54 (xxx=240-255, in increment of 5)
 54 cells: PLM-xxxPB-54 (xxx=240-255, in increment of 5)
 50 cells: PLM-xxxP-50 (xxx=220-235, in increment of 5)
 50 cells: PLM-xxxPB-50 (xxx=220-235, in increment of 5)
 48 cells: PLM-xxxP-48 (xxx=210-230, in increment of 5)
 48 cells: PLM-xxxPB-48 (xxx=210-230, in increment of 5)
 36 cells: PLM-xxxP-36 (xxx=160-170, in increment of 5)
 36 cells: PLM-xxxPB-36 (xxx=160-170, in increment of 5)
 33 cells: PLM-xxxP-33 (xxx=145, 150, 155)
 33 cells: PLM-xxxPB-33 (xxx=145, 150, 155)
 32 cells: PLM-xxxP-32 (xxx=140, 145, 150)
 32 cells: PLM-xxxPB-32 (xxx=140, 145, 150)
 25 cells: PLM-xxxP-25 (xxx=110, 115)
 25 cells: PLM-xxxPB-25 (xxx=110, 115)
 24 cells: PLM-xxxP-24 (xxx=105, 110, 115)
 24 cells: PLM-xxxPB-24 (xxx=105, 110, 115)
 16 cells: PLM-xxxP-16 (xxx=70, 75)
 16 cells: PLM-xxxPB-16 (xxx=70, 75)
 15 cells: PLM-xxxP-15 (xxx=65, 70)
 15 cells: PLM-xxxPB-15 (xxx=65, 70)
 14 cells: PLM-xxxP-14 (xxx=65)
 14 cells: PLM-xxxPB-14 (xxx=65)

"B" means with black backsheet, black frame and black silica gel

Maximum system voltage:	1000V
Fuse rating:	15A
Electrical protection class:	Class II
Pollution degree:	1 or 2, refer to CDF for details
Material group:	I
Design load (positive / negative):	5400Pa / 5400Pa for frame with a thickness of 68.7mm



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Anlage 2 zum Zertifikat Nr.: / *Annex 2 to Certificate No.:* **44 780 19 406749 - 186R1M2**

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Aktenzeichen: / *File reference:* **SHV06040/19-02**

2020-08-12

3600Pa / 1600Pa for others

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 CDF (Constructional Data Form) in Annex 1 of test report.



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