

CERTIFICATE

Issued to:

Applicant:

Sunova Solar Technology Co., Ltd.
Building H, Phase II, Standard Workshop, Runzhou
Road, Huishan Industrial Transformation and
Agglomeration Area
214100 Wuxi City Jiangsu, China

Licensee:

Sunova Solar Technology Co., Ltd.
Building H, Phase II, Standard Workshop, Runzhou
Road, Huishan Industrial Transformation and
Agglomeration Area
214100 Wuxi City Jiangsu, China

Product : Crystalline Silicon PV Modules
Trade name(s) : SUNOVA SOLAR or THORNOVA SOLAR
Type(s)/model(s) : PV module with mono c-Si cells

The product and any acceptable variation thereof as specified in the Annex to this certificate and the documents referred to therein.

DEKRA hereby declares that the above-mentioned product has been certified based on:

- an evaluation according to the standard(s) IEC 60068-2-68:1994
- a periodic surveillance
- a DEKRA certification agreement with the number 6063424

DEKRA hereby grants the right to use the DEKRA Seal certification mark.

DEKRA hereby grants the right to use the DEKRA Seal certification mark with the following content:

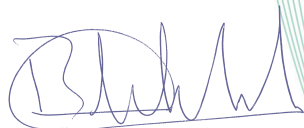
Category : Photovoltaic
Keyword : Module Tested
Keyword : Periodic Factory Inspection

The DEKRA Seal certification mark may be applied to the product or documentation as specified in this certificate for the duration and under the conditions of the DEKRA Seal certification agreement.

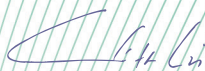
This certificate is issued on 30 July 2024 and expires at the latest on 25 July 2029.

Certificate number: 31-144594

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



C. Lin
Certification Manager

© Integral publication of this certificate is allowed



31-144594

SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

| | |
|------------------------|---|
| Product | : Crystalline Silicon PV Modules |
| Trade name(s) | : SUNOVA SOLAR or THORNOVA SOLAR |
| Type(s)/model(s) | : SS-BGxxx-36MDH(T), SS-BGxxx-48MDH(T), SS-BGxxx-48MDH-G11(T), SS-BGxxx-54MDH(T), SS-BGxxx-54MDH-G10(T), SS-BGxxx-54MDH-G11(T), SS-BGxxx-54MDH-G13(T), SS-BGxxx-54MDH-G9(T), SS-BGxxx-60MDH(T), SS-BGxxx-60MDH-G10(T), SS-BGxxx-60MDH-G11(T), SS-BGxxx-60MDH-G12(T), SS-BGxxx-60MDH-G13(T), SS-BGxxx-60MDH-G7(T), SS-BGxxx-60MDH-G9(T), SS-BGxxx-66MDH(T), SS-BGxxx-66MDH-G10(T), SS-BGxxx-66MDH-G11(T), SS-BGxxx-66MDH-G12(T), SS-BGxxx-66MDH-G13(T), SS-BGxxx-66MDH-G9(T), SS-BGxxx-72MDH(T), SS-BGxxx-72MDH-G10(T), SS-BGxxx-72MDH-G13(T), SS-BGxxx-72MDH-G7(T), SS-BGxxx-72MDH-G9(T), SS-BGxxx-78MDH(T), SS-BGxxx-78MDH-G7(T), TS-BGT36(xxx), TS-BGT48(xxx), TS-BGT48(xxx)-G11, TS-BGT54(xxx), TS-BGT54(xxx)-G10, TS-BGT54(xxx)-G11, TS-BGT54(xxx)-G13, TS-BGT54(xxx)-G9, TS-BGT60(xxx), TS-BGT60(xxx)-G10, TS-BGT60(xxx)-G11, TS-BGT60(xxx)-G12, TS-BGT60(xxx)-G13, TS-BGT60(xxx)-G7, TS-BGT60(xxx)-G9, TS-BGT66(xxx), TS-BGT66(xxx)-G10, TS-BGT66(xxx)-G11, TS-BGT66(xxx)-G12, TS-BGT66(xxx)-G13, TS-BGT66(xxx)-G9, TS-BGT72(xxx), TS-BGT72(xxx)-G10, TS-BGT72(xxx)-G13, TS-BGT72(xxx)-G7, TS-BGT72(xxx)-G9, TS-BGT78(xxx) and TS-BGT78(xxx)-G7 |
| Maximum System Voltage | : 1500 V |
| Design | : PV module with mono c-Si cells |

Product data – type SS-BGxxx-36MDH(T)

Description : xxx=280-290, in steps of 5, 72 cells

Product data – type SS-BGxxx-48MDH(T)

Description : xxx = 375-390, in steps of 5, 96 cells

Product data – type SS-BGxxx-48MDH-G11(T)

Description : xxx = 435-450, in increment of 5, 96 cells

Product data – type SS-BGxxx-54MDH(T)

Description : xxx=425-440, in steps of 5, 108 cells

Product data – type SS-BGxxx-54MDH-G10(T)

Description : xxx = 445-460, in increment of 5, 108 cells

Product data – type SS-BGxxx-54MDH-G11(T)

Description : xxx = 485-505, in increment of 5, 108 cells

Product data – type SS-BGxxx-54MDH-G13(T)

Description : xxx = 460-480, in increment of 5, 108 cells

Product data – type SS-BGxxx-54MDH-G9(T)

Description : xxx = 435-460, in increment of 5, 108 cells

Product data – type SS-BGxxx-60MDH(T)

Description : xxx=470-485, in steps of 5, 120 cells

Product data – type SS-BGxxx-60MDH-G10(T)

Description : xxx = 495-510, in increment of 5, 120 cells

Product data – type SS-BGxxx-60MDH-G11(T)

Description : xxx = 545-565, in increment of 5, 120 cells

Product data – type SS-BGxxx-60MDH-G12(T)

Description : xxx=615-645, in steps of 5, 120 cells

Product data – type SS-BGxxx-60MDH-G13(T)

Description : xxx = 515-530, in increment of 5, 120 cells

Product data – type SS-BGxxx-60MDH-G7(T)

Description : xxx = 430-455, in increment of 5, 120 cells

Product data – type SS-BGxxx-60MDH-G9(T)

Description : xxx = 485-510, in increment of 5, 120 cells

Product data – type SS-BGxxx-66MDH(T)

Description : xxx=520-535, in steps of 5, 132 cells

Product data – type SS-BGxxx-66MDH-G10(T)

Description : xxx = 545-560, in increment of 5, 132 cells

Product data – type SS-BGxxx-66MDH-G11(T)

Description : xxx = 595-620, in increment of 5, 132 cells

Product data – type SS-BGxxx-66MDH-G12(T)

Description : xxx=680-710, in steps of 5, 132 cells

Product data – type SS-BGxxx-66MDH-G13(T)

Description : xxx = 565-585, in increment of 5, 132 cells

Product data – type SS-BGxxx-66MDH-G9(T)

Description : xxx = 530-560, in increment of 5, 132 cells

Product data – type SS-BGxxx-72MDH(T)

Description : xxx=565-585, in steps of 5, 144 cells

Product data – type SS-BGxxx-72MDH-G10(T)

Description : xxx = 595-615, in increment of 5, 144 cells

Product data – type SS-BGxxx-72MDH-G13(T)

Description : xxx = 615-640, in increment of 5, 144 cells

Product data – type SS-BGxxx-72MDH-G7(T)

Description : xxx =515-550, in increment of 5, 144 cells

Product data – type SS-BGxxx-72MDH-G9(T)

Description : xxx = 580-615, in increment of 5, 144 cells

Product data – type SS-BGxxx-78MDH(T)

Description : xxx=610-635, in steps of 5, 156 cells

Product data – type SS-BGxxx-78MDH-G7(T)

Description : xxx = 560-595 in increment of 5, 156 cells

Product data – type TS-BGT36(xxx)

Description : xxx=280-290, in steps of 5, 72 cells

Product data – type TS-BGT48(xxx)

Description : xxx = 375-390, in steps of 5, 96 cells

Product data – type TS-BGT48(xxx)-G11

Description : xxx = 435-450, in increment of 5, 96 cells

Product data – type TS-BGT54(xxx)

Description : xxx=425-440, in steps of 5, 108 cells

Product data – type TS-BGT54(xxx)-G10

Description : xxx = 445-460, in increment of 5, 108 cells

Product data – type TS-BGT54(xxx)-G11

Description : xxx = 485-505, in increment of 5, 108 cells

Product data – type TS-BGT54(xxx)-G13

Description : xxx = 460-480, in increment of 5, 108 cells

Product data – type TS-BGT54(xxx)-G9

Description : xxx = 435-460, in increment of 5, 108 cells

Product data – type TS-BGT60(xxx)

Description : xxx=470-485, in steps of 5, 120 cells

Product data – type TS-BGT60(xxx)-G10

Description : xxx = 495-510, in increment of 5, 120 cells

Product data – type TS-BGT60(xxx)-G11

Description : xxx = 545-565, in increment of 5, 120 cells

Product data – type TS-BGT60(xxx)-G12

Description : xxx=615-645, in steps of 5, 120 cells

Product data – type TS-BGT60(xxx)-G13

Description : xxx = 515-530, in increment of 5, 120 cells

Product data – type TS-BGT60(xxx)-G7

Description : xxx = 430-455, in increment of 5, 120 cells

Product data – type TS-BGT60(xxx)-G9

Description : xxx = 485-510, in increment of 5, 120 cells

Product data – type TS-BGT66(xxx)

Description : xxx=520-535, in steps of 5, 132 cells

Product data – type TS-BGT66(xxx)-G10

Description : xxx = 545-560, in increment of 5, 132 cells

Product data – type TS-BGT66(xxx)-G11

Description : xxx = 595-620, in increment of 5, 132 cells

Product data – type TS-BGT66(xxx)-G12

Description : xxx=680-710, in steps of 5, 132 cells

Product data – type TS-BGT66(xxx)-G13

Description : xxx = 565-585, in increment of 5, 132 cells

Product data – type TS-BGT66(xxx)-G9

Description : xxx = 530-560, in increment of 5, 132 cells

Product data – type TS-BGT72(xxx)

Description : xxx=565-585, in steps of 5, 144 cells

Product data – type TS-BGT72(xxx)-G10

Description : xxx = 595-615, in increment of 5, 144 cells

Product data – type TS-BGT72(xxx)-G13

Description : xxx = 615-640, in increment of 5, 144 cells

Product data – type TS-BGT72(xxx)-G7

Description : xxx = 515-550, in increment of 5, 144 cells

Product data – type TS-BGT72(xxx)-G9

Description : xxx = 580-615, in increment of 5, 144 cells

Product data – type TS-BGT78(xxx)

Description : xxx=610-635, in steps of 5, 156 cells

Product data – type TS-BGT78(xxx)-G7

Description : xxx = 560-595, in increment of 5, 156 cells

TESTS**Test requirements**

IEC 60068-2-68:1994

Test result

The test results are documented in DEKRA test file 618660700.

Additional information

The list of components is laid down in test report 6186607C.50.

Conclusion

The examination has confirmed that all requirements were met.

Factory location

Sunova Solar Technology Co., Ltd.
Building H, Phase II, Standard Workshop, Runzhou Road, Huishan Industrial Transformation and
Agglomeration Area
214100 Wuxi City Jiangsu, China

Trade name(s):
SUNOVA SOLAR stands for  **SUNOVA SOLAR**
Pv Tech Expert.

THORNOVA SOLAR stands for **THORNOVA** *solar*

Unique Identifier

