

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 thereto as specified in the Annex to this certificate and the documents therein referred to.

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

- an evaluation according to the standard(s) EN IEC 61701:2020 and IEC 61701:2020
- 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:

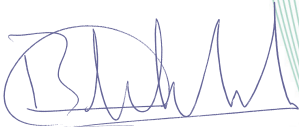
Category : Photovoltaic
Keyword : Salt Mist Resistance
Keyword : Periodic Factory Inspection

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 22 March 2024 and expires at the latest on 24 October 2027.

Certificate number: 31-125889 REV.1

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



H.R.M. Barends
Certification Manager

© Integral publication of this certificate is allowed



31-125889

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-xxx-36MD, SS-xxx-40MDH-G12, SS-xxx-42MDH-G12, SS-xxx-45MDH-G12, SS-xxx-48MDH-G12, SS-xxx-50MDH-G12, SS-xxx-54MDH, SS-xxx-54MDH(T), SS-xxx-54MDH-G10(T), SS-xxx-54MDH-G12, SS-xxx-55MDH-G12, SS-xxx-60M, SS-xxx-60MD, SS-xxx-60MDH, SS-xxx-60MDH(T), SS-xxx-60MDH-G10(T), SS-xxx-60MDH-G12, SS-xxx-66MDH, SS-xxx-66MDH(T), SS-xxx-66MDH-G10(T), SS-xxx-66MDH-G12, SS-xxx-72M, SS-xxx-72MD, SS-xxx-72MDH, SS-xxx-72MDH(T), SS-xxx-72MDH-G10(T), SS-xxx-78MDH, SS-xxx-78MDH(T), TS-BB36(xxx), TS-BB40(xxx)-G12, TS-BB42(xxx)-G12, TS-BB45(xxx)-G12, TS-BB48(xxx)-G12, TS-BB50(xxx)-G12, TS-BB54(xxx), TS-BB54(xxx)-G12, TS-BB55(xxx)-G12, TS-BB60(xxx), TS-BB60(xxx)-G12, TS-BB60(xxx)-M, TS-BB66(xxx), TS-BB66(xxx)-G12, TS-BB72(xxx), TS-BB72(xxx)-M, TS-BB78(xxx), TS-BBT54(xxx), TS-BBT54(xxx)-G10, TS-BBT60(xxx), TS-BBT60(xxx)-G10, TS-BBT66(xxx), TS-BBT66(xxx)-G10, TS-BBT72(xxx), TS-BBT72(xxx)-G10 and TS-BBT78(xxx)
Maximum System Voltage	: 1500 V
Design	: PV module with mono c-Si cells
Test Method	: 6

Product data – type SS-xxx-36MD

Description : xxx=215-225, with increments of 5W, 72 cells

Product data – type SS-xxx-40MDH-G12

Description : xxx=390-400, with increments of 5W, 80 cells

Product data – type SS-xxx-42MDH-G12

Description : xxx=405-425, with increments of 5W, 84 cells

Product data – type SS-xxx-45MDH-G12

Description : xxx=430-455, with increments of 5W, 90 cells

Product data – type SS-xxx-48MDH-G12

Description : xxx=465-485, with increments of 5W, 96 cells

Product data – type SS-xxx-50MDH-G12

Description : xxx=480-505, with increments of 5W, 100 cells

Product data – type SS-xxx-54MDH

Description : xxx=395-420, with increments of 5W, 108 cells

Product data – type SS-xxx-54MDH(T)

Description : xxx=420-440, with increments of 5W, 108 cells
xxx=395-445, with increments of 5W, 108 cells

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

Description : xxx=445-465, with increments of 5W, 108 cells

Product data – type SS-xxx-54MDH-G12

Description : xxx=525-545, with increments of 5W, 108 cells

Product data – type SS-xxx-55MDH-G12

Description : xxx=530-555, with increments of 5W, 110 cells

Product data – type SS-xxx-60M

Description : xxx=275-320, with increments of 5W, 60 cells

Product data – type SS-xxx-60MD

Description : xxx=325-345, with increments of 5W, 120 cells
xxx=350-375, with increments of 5W, 120 cells

Product data – type SS-xxx-60MDH

Description : xxx=435-470, with increments of 5W, 120 cells

Product data – type SS-xxx-60MDH(T)

Description : xxx=465-485, with increments of 5W, 120 cells

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

Description : xxx=495-515, with increments of 5W, 120 cells

Product data – type SS-xxx-60MDH-G12

Description : xxx=585-605, with increments of 5W, 120 cells

Product data – type SS-xxx-66MDH

Description : xxx=480-505, with increments of 5W, 132 cells

Product data – type SS-xxx-66MDH(T)

Description : xxx=510-530, with increments of 5W, 132 cells

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

Description : xxx=545-565, with increments of 5W, 132 cells

Product data – type SS-xxx-66MDH-G12

Description : xxx=640-670, with increments of 5W, 132 cells

Product data – type SS-xxx-72M

Description : xxx=330-385, with increments of 5W, 72 cells

Product data – type SS-xxx-72MDDescription : xxx=390-415, with increments of 5W, 144 cells
xxx=420-450, with increments of 5W, 144 cells**Product data – type SS-xxx-72MDH**Description : xxx=520-565, with increments of 5W, 144 cells
xxx=420-450, with increments of 5W, 144 cells**Product data – type SS-xxx-72MDH(T)**

Description : xxx=560-580, with increments of 5W, 144 cells

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

Description : xxx=595-620, with increments of 5W, 144 cells

Product data – type SS-xxx-78MDH

Description : xxx=565-595, with increments of 5W, 156 cells

Product data – type SS-xxx-78MDH(T)

Description : xxx=605-630, with increments of 5W, 156 cells

Product data – type TS-BB36(xxx)

Description : xxx=215-225, with increments of 5W, 72 cells

Product data – type TS-BB40(xxx)-G12

Description : xxx=390-400, with increments of 5W, 80 cells

Product data – type TS-BB42(xxx)-G12

Description : xxx=405-425, with increments of 5W, 84 cells

Product data – type TS-BB45(xxx)-G12

Description : xxx=430-455, with increments of 5W, 90 cells

Product data – type TS-BB48(xxx)-G12

Description : xxx=465-485, with increments of 5W, 96 cells

Product data – type TS-BB50(xxx)-G12

Description : xxx=480-505, with increments of 5W, 100 cells

Product data – type TS-BB54(xxx)

Description : xxx=395-420, with increments of 5W, 108 cells

Product data – type TS-BB54(xxx)-G12

Description : xxx=525-545, with increments of 5W, 108 cells

Product data – type TS-BB55(xxx)-G12

Description : xxx=530-555, with increments of 5W, 110 cells

Product data – type TS-BB60(xxx)Description : xxx=325-345, with increments of 5W, 120 cells
xxx=350-375, with increments of 5W, 120 cells
xxx=435-470, with increments of 5W, 120 cells**Product data – type TS-BB60(xxx)-G12**

Description : xxx=585-605, with increments of 5W, 120 cells

Product data – type TS-BB60(xxx)-M

Description : xxx=275-320, with increments of 5W, 60 cells

Product data – type TS-BB66(xxx)

Description : xxx=480-515, with increments of 5W, 132 cells

Product data – type TS-BB66(xxx)-G12

Description : xxx=640-670, with increments of 5W, 132 cells

Product data – type TS-BB72(xxx)Description : xxx=390-415, with increments of 5W, 144 cells
xxx=420-450, with increments of 5W, 144 cells
xxx=520-565, with increments of 5W, 144 cells**Product data – type TS-BB72(xxx)-M**

Description : xxx=330-385, with increments of 5W, 72 cells

Product data – type TS-BB78(xxx)

Description : xxx=565-595, with increments of 5W, 156 cells

Product data – type TS-BBT54(xxx)Description : xxx=420-440, with increments of 5W, 108 cells
xxx=395-445, with increments of 5W, 108 cells**Product data – type TS-BBT54(xxx)-G10**

Description : xxx=445-465, with increments of 5W, 108 cells

Product data – type TS-BBT60(xxx)

Description : xxx=465-485, with increments of 5W, 120 cells

Product data – type TS-BBT60(xxx)-G10

Description : xxx=495-515, with increments of 5W, 120 cells

Product data – type TS-BBT66(xxx)

Description : xxx=510-530, with increments of 5W, 132 cells

Product data – type TS-BBT66(xxx)-G10

Description : xxx=545-565, with increments of 5W, 132 cells

Product data – type TS-BBT72(xxx)

Description : xxx=560-580, with increments of 5W, 144 cells

Product data – type TS-BBT72(xxx)-G10

Description : xxx=595-620, with increments of 5W, 144 cells

Product data – type TS-BBT78(xxx)

Description : xxx=605-630, with increments of 5W, 156 cells

TESTS**Test requirements**

EN IEC 61701:2020

IEC 61701:2020

Test result

The test results are laid down in DEKRA test file 613858100.

Additional information

This certificate replaces certificate No. 31-125889 which we hereby declare invalid.

The list of components is laid down in test report 6138581B.51.

Conclusion

The examination proved 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

Unique Identifier

