

CERTIFICATE

Issued to:
Applicant:
**CHANGZHOU GREAT SOLAR TECHNOLOGY CO., LT
D.**
**NO.2 TIANSHAN ROAD, SANJING INDUSTRIAL
PARK, XINBEI DISTRICT
213022 Changzhou City Jiangsu, China**

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

The product and any acceptable variation thereto is 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:

- a type test according to the standard(s) IEC 61215-1:2016, EN 61215-1:2016, IEC 61215-1-1:2016, EN 61215-1-1:2016, IEC 61215-2:2016, EN 61215-2:2017, IEC 61730-1:2016, EN IEC 61730-1:2018, IEC 61730-2:2016 and EN IEC 61730-2:2018
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6060242
- the licensee is registered with the number 55654

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

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

This certificate is issued on 18 May 2022 and expires at the latest on 30 March 2024.

Certificate number: 31-123542

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



C. Lin
Certification Manager

© Integral publication of this certificate is allowed

SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Crystalline Silicon PV Modules
Trade name(s)	: GREATSOLAR
Type(s)/model(s)	: GSMXXXM10-108, GSMXXXM10-120, GSMXXXM10-132, GSMXXXM10-144, GSMXXXM10BG-108, GSMXXXM10BG-120, GSMXXXM10BG-132, GSMXXXM10BG-144, GSMXXXM12-110, GSMXXXM12-120, GSMXXXM12-132, GSMXXXM12BG-110, GSMXXXM12BG-120, GSMXXXM12BG-132, GSMXXXM8-108, GSMXXXM8-120, GSMXXXM8-144, GSMXXXM8BG-108, GSMXXXM8BG-120 and GSMXXXM8BG-144
Maximum System Voltage	: 1500 V
Protection Class	: Class II
Pollution Degree	: 1

Product data – type GSMXXXM8BG-108

Design	: Double glass PV module with mono c-Si cells
Description	: xxx=325-335, in steps of 5, 108 half cut cells
Fire Rating	: Class A according to UL790

Product data – type GSMXXXM8-108

Design	: Single glass PV module with mono c-Si cells
Description	: xxx=325-335, in steps of 5, 108 half cut cells
Fire Rating	: Class C according to UL790

Product data – type GSMXXXM8BG-120

Design	: Double glass PV module with mono c-Si cells
Description	: xxx=360-375, in steps of 5, 120 half cut cells
Fire Rating	: Class A according to UL790

Product data – type GSMXXXM8-120

Design	: Single glass PV module with mono c-Si cells
Description	: xxx=360-375, in steps of 5, 120 half cut cells
Fire Rating	: Class C according to UL790

Product data – type GSMXXXM8BG-144

Design	: Double glass PV module with mono c-Si cells
Description	: xxx=430-450, in steps of 5, 144 half cut cells
Fire Rating	: Class A according to UL790

Product data – type GSMXXXM8-144

Design	: Single glass PV module with mono c-Si cells
Description	: xxx=430-450, in steps of 5, 144 half cut cells

Fire Rating : Class C according to UL790

Product data – type GSMXXXM10BG-108

Design : Double glass
PV module with mono c-Si cells
Description : xxx=390-420, in steps of 5, 108 half cut cells
Fire Rating : Class A according to UL790

Product data – type GSMXXXM10-108

Design : Single glass
PV module with mono c-Si cells
Description : xxx=390-420, in steps of 5, 108 half cut cells
Fire Rating : Class C according to UL790

Product data – type GSMXXXM10BG-120

Design : Double glass
PV module with mono c-Si cells
Description : xxx=435-450, in steps of 5, 120 half cut cells
Fire Rating : Class A according to UL790

Product data – type GSMXXXM10-120

Design : Single glass
PV module with mono c-Si cells
Description : xxx=435-455, in steps of 5, 120 half cut cells
Fire Rating : Class C according to UL790

Product data – type GSMXXXM10BG-132

Design : Double glass
PV module with mono c-Si cells
Description : xxx=480-495, in steps of 5, 132 half cut cells
Fire Rating : Class A according to UL790

Product data – type GSMXXXM10-132

Design : Single glass
PV module with mono c-Si cells
Description : xxx=485-500, in steps of 5, 132 half cut cells
Fire Rating : Class C according to UL790

Product data – type GSMXXXM10BG-144

Design : Double glass
PV module with mono c-Si cells
Description : xxx=520-555, in steps of 5, 144 half cut cells
Fire Rating : Class A according to UL790

Product data – type GSMXXXM10-144

Design : Single glass
PV module with mono c-Si cells
Description : xxx=520-555, in steps of 5, 144 half cut cells
Fire Rating : Class C according to UL790

Product data – type GSMXXXM12BG-110

Design : Double glass
PV module with mono c-Si cells
Description : xxx=530-550, in steps of 5, 110 half cut cells
Fire Rating : Class A according to UL790

Product data – type GSMXXXM12-110

Design : Single glass
PV module with mono c-Si cells
Description : xxx=530-550, in steps of 5, 110 half cut cells
Fire Rating : Class C according to UL790

Product data – type GSMXXXM12BG-120

Design : Double glass
PV module with mono c-Si cells
Description : xxx=580-600, in steps of 5, 120 half cut cells
Fire Rating : Class A according to UL790

Product data – type GSMXXXM12-120

Design : Single glass
PV module with mono c-Si cells
Description : xxx=580-600, in steps of 5, 120 half cut cells
Fire Rating : Class C according to UL790

Product data – type GSMXXXM12BG-132

Design : Double glass
PV module with mono c-Si cells
Description : xxx=645-665, in steps of 5, 132 half cut cells
Fire Rating : Class A according to UL790

Product data – type GSMXXXM12-132

Design : Single glass
PV module with mono c-Si cells
Description : xxx=645-665, in steps of 5, 132 half cut cells
Fire Rating : Class C according to UL790

TESTS**Test requirements**

IEC 61215-1:2016
EN 61215-1:2016
IEC 61215-1-1:2016
EN 61215-1-1:2016
IEC 61215-2:2016
EN 61215-2:2017
IEC 61730-1:2016
EN IEC 61730-1:2018
IEC 61730-2:2016
EN IEC 61730-2:2018

Test result

The test results are laid down in DEKRA test file 610919300.

Additional information

The list of components is laid down in test report 6109193A.52A and 6109193A.52B.

Conclusion

The examination proved that all requirements were met.

Factory location

The factory location is registered with the number 55654.

Trade name(s): GREATSOLAR stands for 

Unique Identifier

