

# CERTIFICATE

Issued to:  
Applicant:  
**Chint New Energy Technology Co., Ltd.**  
**No. 1 Jisheng Road, Jianshan New Zone**  
**314415 Haining City Zhejiang, China**

Licensee:  
**Chint New Energy Technology Co., Ltd.**  
**No. 1 Jisheng Road, Jianshan New Zone**  
**314415 Haining City Zhejiang, China**

Product : Photovoltaic (PV) Module(s)  
Trade name(s) : ASTRONERGY  
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 62716:2013 and EN 62716:2013
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6062183

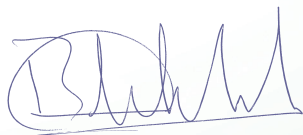
DEKRA hereby grants the right to use the DEKRA Seal certification mark.

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 16 August 2022 and expires at the latest on 12 August 2026.

Certificate number: 31-120279 REV.2

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



C. Lin  
Certification Manager

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**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

Product	: Photovoltaic (PV) Module(s)
Trade name(s)	: ASTRONERGY
Type(s)/model(s)	: CHSM50M(DG)/F-BH-xxx, CHSM54M(DG)-BH-xxx, CHSM54M(DG)/F-BH-xxx, CHSM54M(DGT)-BH-xxx, CHSM54M(DGT)/F-BH-xxx, CHSM54N(DG)/F-BH-xxx, CHSM55M(DG)/F-BH-xxx, CHSM60M(DG)-B-xxx, CHSM60M(DG)-BH-xxx, CHSM60M(DG)/F-B-xxx, CHSM60M(DG)/F-BH-xxx, CHSM60M(DGT)-B-xxx, CHSM60M(DGT)-BH-xxx, CHSM60M(DGT)/F-B-xxx, CHSM60M(DGT)/F-BH-xxx, CHSM60N(DG)/F-BH-xxx, CHSM66M(DG)-BH-xxx, CHSM66M(DG)/F-BH-xxx, CHSM66M(DGT)-BH-xxx, CHSM66M(DGT)/F-BH-xxx, CHSM66N(DG)/F-BH-xxx, CHSM72M(DG)-B-xxx, CHSM72M(DG)-BH-xxx, CHSM72M(DG)/F-B-xxx, CHSM72M(DG)/F-BH-xxx, CHSM72M(DG)/F-HC-xxx, CHSM72M(DGT)-B-xxx, CHSM72M(DGT)-BH-xxx, CHSM72M(DGT)/F-B-xxx, CHSM72M(DGT)/F-BH-xxx, CHSM72N(DG)/F-BH-xxx, CHSM78M(DG)/F-BH-xxx and CHSM78N(DG)/F-BH-xxx
Maximum system voltage	: 1500V
Design	: PV module with mono c-Si cells

**Product data – type CHSM50M(DG)/F-BH-xxx**

Description : xxx=485-510, in steps of 5, 100 cells

**Product data – type CHSM54M(DG)/F-BH-xxx**

Description : xxx=390-415, in steps of 5, 108 cells

**Product data – type CHSM54M(DG)-BH-xxx**

Description : xxx=390-415, in steps of 5, 108 cells

**Product data – type CHSM54M(DGT)/F-BH-xxx**

Description : xxx=380-405, in steps of 5, 108 cells

**Product data – type CHSM54M(DGT)-BH-xxx**

Description : xxx=380-405, in steps of 5, 108 cells

**Product data – type CHSM54N(DG)/F-BH-xxx**

Description : xxx=405-425, in steps of 5, 108 cells

**Product data – type CHSM55M(DG)/F-BH-xxx**

Description : xxx=530-565, in steps of 5, 110 cells

**Product data – type CHSM60M(DG)/F-BH-xxx**

Description : xxx=305-380, in steps of 5, 120 cells  
xxx=430-465, in steps of 5, 120 cells  
xxx=580-610, in steps of 5, 120 cells



**Product data – type CHSM60M(DG)/F-B-xxx**

Description : xxx=285-330, in steps of 5, 60 cells

**Product data – type CHSM60M(DG)-BH-xxx**

Description : xxx=305-380, in steps of 5, 120 cells

**Product data – type CHSM60M(DG)-B-xxx**

Description : xxx=285-330, in steps of 5, 60 cells

**Product data – type CHSM60M(DGT)/F-BH-xxx**

Description : xxx=295-370, in steps of 5, 120 cells

**Product data – type CHSM60M(DGT)/F-B-xxx**

Description : xxx=280-305, in steps of 5, 60 cells

**Product data – type CHSM60M(DGT)-BH-xxx**

Description : xxx=295-370, in steps of 5, 120 cells

**Product data – type CHSM60M(DGT)-B-xxx**

Description : xxx=280-305, in steps of 5, 60 cells

**Product data – type CHSM60N(DG)/F-BH-xxx**

Description : xxx=595-630, in steps of 5, 120 cells  
xxx=450-470, in steps of 5, 120 cells

**Product data – type CHSM66M(DG)/F-BH-xxx**

Description : xxx=475-510, in steps of 5, 132 cells  
xxx=635-675, in steps of 5, 132 cells

**Product data – type CHSM66M(DG)-BH-xxx**

Description : xxx=475-510, in steps of 5, 132 cells

**Product data – type CHSM66M(DGT)/F-BH-xxx**

Description : xxx=465-495, in steps of 5, 132 cells

**Product data – type CHSM66M(DGT)-BH-xxx**

Description : xxx=465-495, in steps of 5, 132 cells

**Product data – type CHSM66N(DG)/F-BH-xxx**

Description : xxx=655-695, in steps of 5, 132 cells

**Product data – type CHSM72M(DG)/F-BH-xxx**

Description : xxx=365-455, in steps of 5, 144 cells  
xxx=515-555, in steps of 5, 144 cells

**Product data – type CHSM72M(DG)/F-B-xxx**

Description : xxx=345-400, in steps of 5, 72 cells

**Product data – type CHSM72M(DG)/F-HC-xxx**

Description : xxx=535-555, in steps of 5, 144 cells

**Product data – type CHSM72M(DG)-BH-xxx**

Description : xxx=365-455, in steps of 5, 144 cells  
xxx=515-555, in steps of 5, 144 cells

**Product data – type CHSM72M(DG)-B-xxx**

Description : xxx=345-400, in steps of 5, 72 cells

**Product data – type CHSM72M(DGT)/F-BH-xxx**

Description : xxx=355-445, in steps of 5, 144 cells  
xxx=505-545, in steps of 5, 144 cells

**Product data – type CHSM72M(DGT)/F-B-xxx**

Description : xxx=340-370, in steps of 5, 72 cells

**Product data – type CHSM72M(DGT)-BH-xxx**

Description : xxx=355-445, in steps of 5, 144 cells  
xxx=505-545, in steps of 5, 144 cells

**Product data – type CHSM72M(DGT)-B-xxx**

Description : xxx=340-370, in steps of 5, 72 cells

**Product data – type CHSM72N(DG)/F-BH-xxx**

Description : xxx=550-565, in steps of 5, 144 cells

**Product data – type CHSM78M(DG)/F-BH-xxx**

Description : xxx=585-605, in steps of 5, 156 cells

**Product data – type CHSM78N(DG)/F-BH-xxx**

Description : xxx=580-615, in steps of 5, 156 cells

**TESTS****Test requirements**

IEC 62716:2013  
EN 62716:2013

**Test result**

The test results are laid down in DEKRA test file 611187800.

**Additional information**

This certificate replaces certificate No. 31-120279 REV.1 which we hereby declare invalid.

The list of components is laid down in test report 6111878A.52.

**Conclusion**

The examination proved that all requirements were met.

**Factory locations**

Chint New Energy Technology (Yancheng) Co., Ltd.  
No.1 Tonghui Road, Dafeng District  
224100 Yancheng City Jiangsu, China

Chint New Energy Technology Co., Ltd.  
No. 1 Jisheng Road, Jianshan New Zone  
314415 Haining City Zhejiang, China

Chint New Energy Technology (Jiuquan) Co., Ltd.  
15 Jingwu Road, Jiuquan Economic and Technological Development Zone, Suzhou District  
735008 Jiuquan City Gansu, China

Chint Solar (HaiNing) Co., Ltd.  
No.2 Jisheng Road, Jianshan New Zone  
314415 Haining City Zhejiang, China

Trade name(s): ASTRONERGY stands for

**ASTRONERGY**

Unique Identifier

