

# CERTIFICATE

Issued to:  
Applicant:  
**Chint Solar (Zhejiang) Co., Ltd.**  
1335 Bin An Rd., Binjiang District  
310053 Hangzhou City Zhejiang, China

Licensee:  
**Chint Solar (Zhejiang) Co., Ltd.**  
1335 Bin An Rd., Binjiang District  
310053 Hangzhou City Zhejiang, China

Product : Crystalline Silicon PV Modules  
Trade name(s) : ASTRONERGY  
Type(s)/model(s) : CHSM54M-HC-xxx, CHSM60M-HC-xxx, CHSM66M-HC-xxx and  
CHSM72M-HC-xxx

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 TS 62804-1-1:2020
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6059700

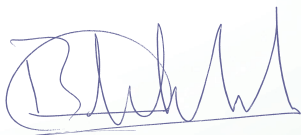
DEKRA hereby grants the right to use the DEKRA Seal certification mark.

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.

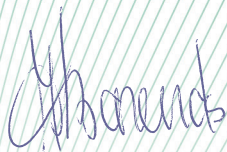
This certificate is issued on 5 November 2021 and expires at the latest on 1 November 2026.

Certificate number: 31-121149

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



H.R.M. Barends  
Certification Manager

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

Product	: Crystalline Silicon PV Modules
Trade name(s)	: ASTRONERGY
Type(s)/model(s)	: CHSM54M-HC-xxx, CHSM60M-HC-xxx, CHSM66M-HC-xxx and CHSM72M-HC-xxx
Maximum system voltage	: 1500V
Severity	: A
Duration	: 300h
Design	: PV module with mono c-Si cells

**Product data – type CHSM54M-HC-xxx**

Description : xxx=390-410, in steps of 5, 108 cells

**Product data – type CHSM60M-HC-xxx**

Description : xxx=590-610, in steps of 5, 120 cells  
xxx=355-380, in steps of 5, 120 cells

**Product data – type CHSM66M-HC-xxx**

Description : xxx=645-675, in steps of 5, 132 cells  
xxx=480-500, in steps of 5, 132 cells

**Product data – type CHSM72M-HC-xxx**

Description : xxx=520-550, in steps of 5, 144 cells  
xxx=425-455, in steps of 5, 144 cells

**TESTS****Test requirements**

IEC TS 62804-1-1:2020

**Test result**

The test results are laid down in DEKRA test file 611434000.

**Additional information**

The list of components is laid down in test report 6114340B.50.

**Conclusion**

The examination proved that all requirements were met.

**Factory locations**

Chint New Energy Technology (Yancheng) C o., Ltd.  
No.8 Fengyang Road, Dafeng District  
224100 Yancheng City Jiangsu, China

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

Chint Solar (Zhejiang) Co., Ltd.  
1335 Bin An Rd., Binjiang District  
310053 Hangzhou City Zhejiang, China



Trade name(s): ASTRONERGY stands for



**ASTRONERGY**

Unique Identifier

