

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 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 6062183

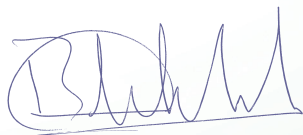
DEKRA hereby grants the right to use the DEKRA Seal certification mark.

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 30 October 2022 and expires at the latest on 31 October 2026.

Certificate number: 31-121149 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)	: CHSM54M-HC-xxx, CHSM54M/LV -HC-xxx, CHSM54N-HC-xxx, CHSM54N/LV -HC-xxx, CHSM60M-HC-xxx, CHSM60M/LV -HC-xxx, CHSM60N-HC-xxx, CHSM60N/LV -HC-xxx, CHSM66M-HC-xxx, CHSM66M/LV -HC-xxx, CHSM66N-HC-xxx, CHSM66N/LV -HC-xxx, CHSM72M-HC-xxx, CHSM72M/LV -HC-xxx, CHSM72N-HC-xxx, CHSM72N/LV -HC-xxx, CHSM78M-HC-xxx, CHSM78M/LV -HC-xxx, CHSM78N-HC-xxx and CHSM78N/LV -HC-xxx
Severity	: A
Duration	: 300h
Design	: PV module with mono c-Si cells

Product data – type CHSM54M/LV -HC-xxx

Maximum system voltage	: 1000V
Description	: xxx=390-415 in steps of 5, 108 cells

Product data – type CHSM54M-HC-xxx

Maximum system voltage	: 1500V
Description	: xxx=390-415, in steps of 5, 108 cells

Product data – type CHSM54N/LV -HC-xxx

Maximum system voltage	: 1000V
Description	: xxx=405-425 in steps of 5, 108 cells

Product data – type CHSM54N-HC-xxx

Maximum system voltage	: 1500V
Description	: xxx=405-425, in steps of 5, 108 cells

Product data – type CHSM60M/LV -HC-xxx

Maximum system voltage	: 1000V
Description	: xxx=590-610, in steps of 5, 120 cells xxx=355-395, in steps of 5, 120 cells xxx=435-465, in steps of 5, 120 cells

Product data – type CHSM60M-HC-xxx

Maximum system voltage	: 1500V
Description	: xxx=590-610, in steps of 5, 120 cells xxx=355-395, in steps of 5, 120 cells xxx=435-465, in steps of 5, 120 cells

Product data – type CHSM60N/LV -HC-xxx

Maximum system voltage	: 1000V
Description	: xxx=595-625, in steps of 5, 120 cells xxx=450-470, in steps of 5, 120 cells

Product data – type CHSM78M-HC-xxx

Maximum system voltage : 1500V
Description : xxx=585-605 in steps of 5, 156 cells

Product data – type CHSM78N/LV -HC-xxx

Maximum system voltage : 1000V
Description : xxx=585-615 in steps of 5, 156 cells

Product data – type CHSM78N-HC-xxx

Maximum system voltage : 1500V
Description : xxx=585-615 in steps of 5, 156 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

This certificate replaces certificate No. 31-121149 REV.1 which we hereby declare invalid.

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

