

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

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

- an evaluation according to the standard(s) IEC TS 62804-1-1:2020
- a periodic surveillance
- a DEKRA certification agreement with the number 6062183

DEKRA hereby grants the right to use the DEKRA Seal certification mark with the following content:

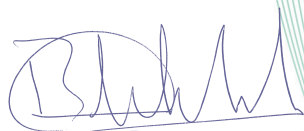
Category : Photovoltaic
Keyword : PID Resistance
Keyword : Periodic Factory Inspection

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.

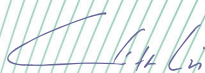
This certificate is issued on 6 December 2024 and expires at the latest on 31 October 2026.

Certificate number: 31-121146 REV.11

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Cliff Lin
Certification Manager

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31-121146

SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Photovoltaic (PV) Module(s)
Trade name(s)	: ASTRONERGY
Type(s)/model(s)	: CHSM09Ns(DG)(BLH)/F-BH-xxx, CHSM48M(DGT)/F-BH-xxx, CHSM48N(DGT)/F-BH-xxx, CHSM48RN(DG)(BLH)/F-BH-xxx, CHSM48RN(DG)/F-BH-xxx, CHSM48RN(DGT)(BLH)/F-BH-xxx, CHSM50M(DG)/F-BH-xxx, CHSM54M(DG)/F-BH-xxx, CHSM54M(DG)/F-HC-xxx, CHSM54M(DGT)/F-BH-xxx, CHSM54N(DG)/F-BH-xxx, CHSM54N(DG)/F-HC-xxx, CHSM54N(DGT)(BLH)/F-BH-xxx, CHSM54N(DGT)/F-BH-xxx, CHSM54RN(DG)/F-BH-xxx, CHSM54RN(DG)/F-HC-xxx, CHSM54RN(DGT)(BLH)/F-BH-xxx, CHSM54RNs(DG)(BLH)/F-BH-xxx, CHSM54RNs(DG)/F-BH-xxx, CHSM54RNs(DG)/F-HC-xxx, CHSM54RNs(DGT)(BLH)/F-BH-xxx, CHSM54RNs(DGT)/F-BH-xxx, CHSM55M(DG)/F-BH-xxx, CHSM60M(DG)/F-BH-xxx, CHSM60M(DG)/F-HC-xxx, CHSM60M(DGT)/F-BH-xxx, CHSM60N(DG)/F-BH-xxx, CHSM60N(DG)/F-HC-xxx, CHSM60N(DGT)/F-BH-xxx, CHSM60RNs(DG)(BLH)/F-BH-xxx, CHSM60RNs(DG)/F-BH-xxx, CHSM60RNs(DGT)(BLH)/F-BH-xxx, CHSM66M(DG)/F-BH-xxx, CHSM66M(DGT)/F-BH-xxx, CHSM66N(DG)/F-BH-xxx, CHSM66RN(DG)/F-BH-xxx, CHSM66RN(DG)/F-HC-xxx, CHSM72M(DG)/F-BH-xxx, CHSM72M(DG)/F-HC-xxx, CHSM72M(DGT)/F-BH-xxx, CHSM72N(DG)/F-BH-IA-xxx, CHSM72N(DG)/F-BH-xxx, CHSM72N(DG)/F-HC-xxx, CHSM72N(DGT)/F-BH-xxx, CHSM72RN(DG)/F-BH-xxx, CHSM72RN(DG)/F-HC-xxx, CHSM78M(DG)/F-HC-xxx, CHSM78N(DG)/F-BH-IA-xxx, CHSM78N(DG)/F-BH-xxx and CHSM78N(DG)/F-HC-xxx
Maximum system voltage	: 1500V
Severity	: A
Duration	: 300h
Design	: PV module with mono c-Si cells

Product data – type CHSM09Ns(DG)(BLH)/F-BH-xxx

Description : xxx=65-70, in steps of 5, 18 cells

Product data – type CHSM48M(DGT)/F-BH-xxx

Description : xxx=340-370, in steps of 5, 96 cells

Product data – type CHSM48N(DGT)/F-BH-xxx

Description : xxx=345-380, in steps of 5, 96 cells

Product data – type CHSM48RN(DG)(BLH)/F-BH-xxx

Description : xxx=440-455, in steps of 5, 108 cells

Product data – type CHSM48RN(DG)/F-BH-xxx

Description : xxx=440-460, in steps of 5, 108 cells

Product data – type CHSM48RN(DGT)(BLH)/F-BH-xxx

Description : xxx=440-455, in steps of 5, 108 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=390-420, in steps of 5, 108 cells

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

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

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

Description : xxx=380-420, in steps of 5, 108 cells

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

Description : xxx=405-455, in steps of 5, 108 cells

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

Description : xxx=415-455, in steps of 5, 108 cells

Product data – type CHSM54N(DGT)(BLH)/F-BH-xxx

Description : xxx=395-450, in steps of 5, 108 cells

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

Description : xxx=395-450, in steps of 5, 108 cells

Product data – type CHSM54RN(DG)/F-BH-xxxDescription : xxx=435-465, in steps of 5, 108 cells
xxx=495-515, in steps of 5, 108 cells**Product data – type CHSM54RN(DG)/F-HC-xxx**

Description : xxx=440-470, in steps of 5, 108 cells

Product data – type CHSM54RN(DGT)(BLH)/F-BH-xxx

Description : xxx=495-515, in steps of 5, 108 cells

Product data – type CHSM54RNs(DG)(BLH)/F-BH-xxx

Description : xxx=425-455, in steps of 5, 108 cells

Product data – type CHSM54RNs(DG)/F-BH-xxx

Description : xxx=430-460, in steps of 5, 108 cells

Product data – type CHSM54RNs(DG)/F-HC-xxx

Description : xxx=430-460, in steps of 5, 108 cells

Product data – type CHSM54RNs(DGT)(BLH)/F-BH-xxx

Description : xxx=425-460, in steps of 5, 108 cells

Product data – type CHSM54RNs(DGT)/F-BH-xxx

Description : xxx=430-460, 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=580-610, in steps of 5, 120 cells
xxx=305-380, in steps of 5, 120 cells
xxx=430-470, in steps of 5, 120 cells

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

Description : xxx=450-475, in steps of 5, 120 cells

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

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

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

Description : xxx=595-630, in steps of 5, 120 cells
xxx=450-505, in steps of 5, 120 cells

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

Description : xxx=460-505, in steps of 5, 120 cells

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

Description : xxx=440-500, in steps of 5, 120 cells

Product data – type CHSM60RNs(DG)(BLH)/F-BH-xxx

Description : xxx=480-515, in steps of 5, 120 cells

Product data – type CHSM60RNs(DG)/F-BH-xxx

Description : xxx=475-515, in steps of 5, 120 cells

Product data – type CHSM60RNs(DGT)(BLH)/F-BH-xxx

Description : xxx=480-515, in steps of 5, 120 cells

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

Description : xxx=635-675, in steps of 5, 132 cells
xxx=475-515, in steps of 5, 132 cells

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

Description : xxx=465-515, in steps of 5, 132 cells

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

Description : xxx=650-725, in steps of 5, 132 cells

Product data – type CHSM66RN(DG)/F-BH-xxx

Description : xxx=585-635, in steps of 5, 132 cells

Product data – type CHSM66RN(DG)/F-HC-xxx

Description : xxx=585-625, in steps of 5, 132 cells

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

Description : xxx=515-565, in steps of 5, 144 cells
xxx=365-455, in steps of 5, 144 cells

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

Description : xxx=535-570, in steps of 5, 144 cells

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

Description : xxx=505-565, in steps of 5, 144 cells
xxx=355-445, in steps of 5, 144 cells

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

Description : xxx=535-610, in steps of 5, 144 cells

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

Description : xxx=535-610, in steps of 5, 144 cells

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

Description : xxx=550-610, in steps of 5, 144 cells

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

Description : xxx=525-600, in steps of 5, 144 cells

Product data – type CHSM72RN(DG)/F-BH-xxx

Description : xxx=580-625, in steps of 5, 144 cells

Product data – type CHSM72RN(DG)/F-HC-xxx

Description : xxx=585-630, in steps of 5, 144 cells

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

Description : xxx=580-605, in steps of 5, 156 cells

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

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

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

Description : xxx=580-650, in steps of 5, 156 cells

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

Description : xxx=580-650, in steps of 5, 156 cells

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

Description : xxx=590-665, in steps of 5, 156 cells

TESTS**Test requirements**

IEC TS 62804-1-1:2020

Test result

The test results are documented in DEKRA test file 620848100.

Additional information

This certificate replaces certificate No. 31-121146 REV.10 which we hereby declare invalid.

The list of components is laid down in test report 6208481C.50.

Conclusion

The examination has confirmed 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.
No.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, Huangwan Town
314415 Haining City, Jiaxing City Zhejiang, China

M.L.T. Solar Energy Product Co., Ltd.
88/1 Moo. 9 Ko khanun Phanomsarakham
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138000 Songyuan City Jilin, China

Chint Solar Technology (Yancheng) Co., Ltd.
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224100 Yancheng City Jiangsu, China

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751500 Wuzhong City Ningxia Huizi, China

Chint Solar Technology (Yiwu) Co., Ltd.
No. 1, Qingcheng West Road, Fotang Town
322000 Yiwu City Zhejiang, China

Chint Solar Technology (Yueqing) Co., Ltd.
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325600 Wenzhou City Zhejiang, China

Chint New Energy Technology (Fuyang) Co.,Ltd.
No.177, TongDeng Road, Lingqiao Town, Fuyang District
311400 Hangzhou City Zhejiang, China

Chint New Energy Technology Co., Ltd.
(M4) No. 2 Jisheng Road, Jianshan New Zone
314415 Haining City Zhejiang, China

ASTRONERGY SOLAR PANEL URETİM VE TİCARET ANONİM ŞİRKETİ ADANA SUBESİ
ACİDERE O.S.B. MAH. SEDEF CAD. NO: 1 SARICAM
01900 Adana, Türkiye

Trade name(s): ASTRONERGY stands for

**ASTRONERGY**

Unique Identifier

