

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

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

is authorized to provide the product mentioned below with the mark as illustrated:

Description of product (details see Annex 2):

Crystalline Silicon Terrestrial Photovoltaic (PV) Modules



Valid from: 2025-06-13

Valid until: 2028-03-03

Certification program:

P12-VA-01 Rev. 17 09.20

Certification fundamental(s):

IEC 61215-1:2021 / EN IEC 61215-1:2021;
IEC 61215-1-1:2021 / EN IEC 61215-1-1:2021;
IEC 61215-2:2021 / EN IEC 61215-2:2021;
IEC 61730-1:2023;
IEC 61730-2:2023.

Registered No.:

44 780 25 406749 - 050R1

Manufacturer and factory(-ies):

See Annex 1

Test Report No.:

492013032.002

File No.:

PVP03089/25P



Essen, 2025-06-13

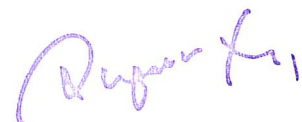
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Please also pay attention to the information stated overleaf.

Manufacturer and factory(-ies):

Manufacturer:	Chint New Energy Technology Co., Ltd. No.1, Jisheng Road, Jianshan New Zone, Haining Zhejiang, 314415 P. R. China
Factory 1:	Chint New Energy Technology Co., Ltd. No.1, Jisheng Road, Jianshan New Zone, Haining Zhejiang, 314415 P. R. China
Factory inspection report no.:	862010317.009
Factory 2:	Chint New Energy Technology (Yancheng) Co.,Ltd. No.1 Tonghui Road, Dafeng District, Yancheng City, Jiangsu Province
Factory inspection report no.:	862010724.003
Factory 3:	Chint Solar (HaiNing) Co., Ltd. No. 2 Jisheng Road, Jianshan New Zone, Haining Zhejiang, 314415 P. R. China
Factory inspection report no.:	862010726.003
Factory 4:	Chint New Energy Technology (Jiuquan) Co.,Ltd. 15 Jingwu Road, Jiuquan economic and Technological Development Zone,Suzhou District, Jiuquan City, Gansu Province.
Factory inspection report no.:	862010725.003
Factory 5:	Songyuan New Energy Technology Co.,Ltd. No.2211,Jiangye Avenue,Yadahong Enterprise Service Center, Ningjiang District,Songyuan,Jilin Province,P.R.China.
Factory inspection report no.:	862010728.002
Factory 6:	Chint Solar Technology (Yancheng) Co.,Ltd. No. 8, Fengyang Road, Shanghai-Suzhou-Dafeng Industry Linkage Cluster, Dafeng District, Yancheng City, Jiangsu, P.R. China
Factory inspection report no.:	862011011.001



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Factory 7:	Chint New Energy Technology (Yanchi) Co.,Ltd. Block 2, Yanchi County Industrial Park, Wuzhong City, (North of Gaoshawo), Ningxia, P. R. China
Factory inspection report no.:	862011015.001
Factory 8:	Chint Solar Technology (Yiwu) Co.,Ltd. No. 1, Qingcheng West Road, Fotang Town, Yiwu City, Jinhua City, Zhejiang, P. R. China
Factory inspection report no.:	862011012.001
Factory 9:	Chint Solar Technology (Yueqing) Co.,Ltd. No.1 Xinneng Road, Yueqing Bay Harbor Economic Development Zone, Yueqing, Wenzhou City, Zhejiang, P.R. China
Factory inspection report no.:	862011013.001
Factory 10:	Chint New Energy Technology (Fuyang) Co.,Ltd. No.177, TongDeng Road, Lingqiao Town, Fuyang District, Hangzhou, Zhejiang Province, P.R. China
Factory inspection report no.:	862011014.001
Factory 11:	Chint New Energy Technology Co., Ltd. (M4) No. 2 Jisheng Road, Jianshan New Zone, Haining, 314415 Zhejiang, P.R. China
Factory inspection report no.:	862011035.002
Factory 12:	Zibo JinenU Solar Technology Co., LTD 3005, Silk Road, Zhoucun District, Zibo, Shandong, P.R. China
Factory inspection report no.:	862011060.001
Factory 13:	Solarspace Technology (Suqian) Co., Ltd. (within the plant of Jiangsu Longheng New Energy Co., Ltd.) No.1299, Shanghai Road, Economic and Technological Development Zone, Suqian City, 223800, Jiangsu, P.R. China
Factory inspection report no.:	862011061.001



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Factory 14: **Kivanc Enerji Uretim Anonim Sirketi**
Sahin Mahallesi Sait Polat Bulvarı No:396, Yenice/Tarsus/Mersin, Türkiye
Factory inspection report no.: 862011062.001

Factory 15: **ASTRONERGY SOLAR PANEL URETİM VE TİCARET ANONİM SİRKETİ ADANA SUBESİ**
ACIDEREOSB MAH. SEDEF CAD. NO: 1 SARICAM 01900 ADANA, Türkiye
Factory inspection report no.: 862011036.001

Remark:

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.



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Description of product(s):

Module types:	PV Modules with Half-cut 166mm Mono-crystalline Silicon Solar Cells: 144 cells: CHSM72M-HC-xxx (xxx = 440-475, in increment of 5) 144 cells: CHSM72M/LV-HC-xxx (xxx = 440-475, in increment of 5) 120 cells: CHSM60M-HC-xxx (xxx = 370-395, in increment of 5) 120 cells: CHSM60M/LV-HC-xxx (xxx = 370-395, in increment of 5)
Maximum system voltage:	1500V/1000V
Maximum overcurrent protection rating:	20A
Electrical protection class:	Class II
Pollution degree:	1
98th percentile module operating temperature (T ₉₈)	70°C
Design load (positive / negative):	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to UL790

Module types:	PV Modules with Half-cut 182mm Mono-crystalline Silicon Solar Cells: 156 cells: CHSM78M-HC-xxx (xxx = 585-600, in increment of 5) 156 cells: CHSM78M/LV-HC-xxx (xxx = 585-600, in increment of 5) 144 cells: CHSM72M-HC-xxx (xxx = 530-570, in increment of 5) 144 cells: CHSM72M/LV-HC-xxx (xxx = 530-570, in increment of 5) 120 cells: CHSM60M-HC-xxx (xxx = 445-475, in increment of 5) 120 cells: CHSM60M/LV-HC-xxx (xxx = 445-475, in increment of 5) 108 cells: CHSM54M-HC-xxx (xxx = 400-425, in increment of 5) 108 cells: CHSM54M/LV-HC-xxx (xxx = 400-425, in increment of 5) 144 cells: CHSM72M(BLH)-HC-xxx (xxx = 520-570, in increment of 5) 144 cells: CHSM72M(BL)-HC-xxx (xxx = 520-570, in increment of 5) 120 cells: CHSM60M(BLH)-HC-xxx (xxx = 435-475, in increment of 5) 120 cells: CHSM60M(BL)-HC-xxx (xxx = 435-475, in increment of 5) 108 cells: CHSM54M(BLH)-HC-xxx (xxx = 390-425, in increment of 5) 108 cells: CHSM54M(BL)-HC-xxx (xxx = 390-425, in increment of 5)
Maximum system voltage:	1500V/1000V
Maximum overcurrent protection rating:	25A



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Electrical protection class:	Class II
Pollution degree:	1
98th percentile module operating temperature (T ₉₈)	70°C
Design load (positive / negative):	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to UL790

Module types:

PV Modules with Half-cut 182mm TOPcon Mono-crystalline Silicon Solar Cells:

156 cells: CHSM78N-HC-xxx (xxx = 585-660, in increment of 5)
 156 cells: CHSM78N/LV-HC-xxx (xxx = 585-660, in increment of 5)
 144 cells: CHSM72N-HC-xxx (xxx = 565-620, in increment of 5)
 144 cells: CHSM72N/LV-HC-xxx (xxx = 565-620, in increment of 5)
 120 cells: CHSM60N-HC-xxx (xxx = 475-515, in increment of 5)
 120 cells: CHSM60N/LV-HC-xxx (xxx = 475-515, in increment of 5)
 108 cells: CHSM54N-HC-xxx (xxx = 425-465, in increment of 5)
 108 cells: CHSM54N/LV-HC-xxx (xxx = 425-465, in increment of 5)
 144 cells: CHSM72N(BLH)-HC-xxx (xxx = 545-605, in increment of 5)
 144 cells: CHSM72N(BL)-HC-xxx (xxx = 545-605, in increment of 5)
 120 cells: CHSM60N(BLH)-HC-xxx (xxx = 455-500, in increment of 5)
 120 cells: CHSM60N(BL)-HC-xxx (xxx = 455-500, in increment of 5)
 108 cells: CHSM54N(BLH)-HC-xxx (xxx = 410-450, in increment of 5)
 108 cells: CHSM54N(BL)-HC-xxx (xxx = 410-450, in increment of 5)
 144 cells: CHSM72RN-HC-xxx (xxx = 590-620, in increment of 5)
 144 cells: CHSM72RN/LV-HC-xxx (xxx = 590-620, in increment of 5)
 108 cells: CHSM54RN-HC-xxx (xxx = 450-465, in increment of 5)
 108 cells: CHSM54RN/LV-HC-xxx (xxx = 450-465, in increment of 5)
 144 cells: CHSM72RN(BLH)-HC-xxx (xxx = 580-605, in increment of 5)
 144 cells: CHSM72RN(BL)-HC-xxx (xxx = 580-605, in increment of 5)
 108 cells: CHSM54RN(BLH)-HC-xxx (xxx = 435-450, in increment of 5)
 108 cells: CHSM54RN(BL)-HC-xxx (xxx = 435-450, in increment of 5)
 108 cells: CHSM54RNs-HC-xxx (xxx = 430-460, in increment of 5)
 108 cells: CHSM54RNs/LV-HC-xxx (xxx = 430-460, in increment of 5)
 108 cells: CHSM54RNs(BLH)-HC-xxx (xxx = 425-455, in increment of 5)
 108 cells: CHSM54RNs(BL)-HC-xxx (xxx = 425-455, in increment of 5)
 120 cells: CHSM66RN-HC-xxx (xxx = 590-635, in increment of 5)

Maximum system voltage: 1500V/1000V



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Maximum overcurrent protection rating:	25A
Electrical protection class:	Class II
Pollution degree:	1
98th percentile module operating temperature (T ₉₈)	70°C
Design load (positive / negative):	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to UL790

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) attached to test report with same file no.



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