



Product Service

CERTIFICATE

No. Z2 078666 0036 Rev. 14

Holder of Certificate: **Tangshan Haitai New Energy Technology Co., Ltd.**
No. 88 Haomen road, Yutian County
064100 Tangshan City, Hebei Province
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**
Mono-crystalline Silicon Photovoltaic (PV) Modules

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 882161809515

Valid until: 2029-03-20

Date, 2024-04-16

(Xinlian LUO)

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Model(s):

1000V DC modules:

HTMxxxMA-72 (xxx=330-385, in steps of 5)

HTMxxxMA-60 (xxx=275-320, in steps of 5)

HTMxxxMA-54 (xxx=250-285, in steps of 5)

1000V DC half-cell modules:

HTMxxxMH-72 (xxx=340-390, in steps of 5)

HTMxxxMH-60 (xxx=285-325, in steps of 5)

HTMxxxMH-54 (xxx=255-290, in steps of 5)

HTMxxxMH2-72 (xxx=390-425, in steps of 5)

HTMxxxMH2-60 (xxx=325-350, in steps of 5)

HTMxxxMH3-72 (xxx=415-460, in steps of 5)

HTMxxxMH3-60 (xxx=345-380, in steps of 5)

HTMxxxMH5-78 (xxx=565-600, in steps of 5)

HTMxxxMH5-72 (xxx=520-555, in steps of 5)

HTMxxxMH5-66 (xxx=480-505, in steps of 5)

HTMxxxMH5-60 (xxx=435-460, in steps of 5)

HTMxxxMH5-54 (xxx=390-415, in steps of 5)

HTMxxxMH8-66 (xxx=635-670, in steps of 5)

HTMxxxMH8-60 (xxx=580-605, in steps of 5)

HTMxxxMH5-72NT (xxx=555-580, in steps of 5)

HTMxxxMH5-60NT (xxx=465-480, in steps of 5)

HTMxxxMH5-54NT (xxx=415-435, in steps of 5)

1000V DC half-cell frameless modules with cooling system:

HTMxxxMH2-72-COOL (xxx=390-425, in steps of 5)

HTMxxxMH2-60-COOL (xxx=325-350, in steps of 5)

1000V DC 1/3 cut cell modules:

HTM-TSB-xxxM1 (xxx=380-420, in steps of 5)

HTM-TSA-xxxM1 (xxx=315-345, in steps of 5)

HTM-NHN-xxxM (xxx=380-420, in steps of 5)

HTM-NHN-xxxM (xxx=315-345, in steps of 5)

HTM-TSB-xxxM2 (xxx=410-445, in steps of 5)

HTM-TSA-xxxM2 (xxx=340-365, in steps of 5)

HTMxxxMT8-50 (xxx=480-510, in steps of 5)

HTMxxxMT8-40 (xxx=385-405, in steps of 5)

1500V DC modules:

HTMxxxMA-72(1500) (xxx=340-385, in steps of 5)

HTMxxxMA-60(1500) (xxx=285-320, in steps of 5)

HTMxxxMA-54(1500) (xxx=255-285, in steps of 5)

1500V DC half-cell modules:

HTMxxxMH-72(1500) (xxx=340-390, in steps of 5)

HTMxxxMH-60(1500) (xxx=285-325, in steps of 5)

HTMxxxMH-54(1500) (xxx=255-290, in steps of 5)

HTMxxxMH2-72(1500) (xxx=390-425, in steps of 5)

HTMxxxMH2-60(1500) (xxx=325-350, in steps of 5)

HTMxxxMH3-72(1500) (xxx=415-460, in steps of 5)

HTMxxxMH3-60(1500) (xxx=345-380, in steps of 5)

HTMxxxMH5-78(1500) (xxx=565-600, in steps of 5)

HTMxxxMH5-72(1500) (xxx=520-555, in steps of 5)

HTMxxxMH5-66(1500) (xxx=480-505, in steps of 5)

HTMxxxMH5-60(1500) (xxx=435-460, in steps of 5)

HTMxxxMH5-54(1500) (xxx=390-415, in steps of 5)

HTMxxxMH8-66(1500) (xxx=635-670, in steps of 5)



CERTIFICATE

No. Z2 078666 0036 Rev. 14

HTMxxxMH8-60(1500) (xxx=580-605, in steps of 5)
 HTMxxxMH5-72NT(1500) (xxx=555-580, in steps of 5)
 HTMxxxMH5-60NT(1500) (xxx=465-480, in steps of 5)
 HTMxxxMH5-54NT(1500) (xxx=415-435, in steps of 5)
1500V DC half-cell frameless modules with cooling system:
 HTMxxxMH2-72-COOL(1500) (xxx=390-425, in steps of 5)
 HTMxxxMH2-60-COOL(1500) (xxx=325-350, in steps of 5)
1500V DC 1/3 cut cell modules:
 HTM-TSB-xxxM1(1500) (xxx=380-420, in steps of 5)
 HTM-TSA-xxxM1(1500) (xxx=315-345, in steps of 5)
 HTM-NHN-xxxM(1500) (xxx=380-420, in steps of 5)
 HTM-NHN-xxxM(1500) (xxx=315-345, in steps of 5)
 HTM-TSB-xxxM2(1500) (xxx=410-445, in steps of 5)
 HTM-TSA-xxxM2(1500) (xxx=340-365, in steps of 5)
 HTMxxxMT8-50(1500) (xxx=480-510, in steps of 5)
 HTMxxxMT8-40(1500) (xxx=385-405, in steps of 5)
 xxx is standing for rated output power at STC

Parameters:

Safety Class: Class II
 Max. System Voltage: 1000V DC or 1500 V DC
 Fire Safety Class: Class C according to UL790.
 Test Laboratory: Yangzhou Opto-electrical product testing institute.
 (10 Kaifa West Rd., Yangzhou, Jiangsu, P. R. China 225009)
 Construction: Framed or frameless, with Junction box, Cable and Connector.

Production Facilities:

- 1.Tangshan Haitai New Energy Technology Co.,Ltd.
 No.88 Haomen road, Yutian County, 064100, Tangshan City, Hebei Province, China
 Production Facility Number: 078666
- 2.HT SOLAR VIETNAM COMPANY LIMITED
 F3 Lot, factory F3-1, F3-2, Trang Due Industrial Park, An Duong District
 A part of Dinh Vu-Cat Hai Economic Zone, Hai Phong City, Viet Nam
 Production Facility Number: 097323
3. Zhejiang Winhitech New Energy Co. ,Ltd
 No.5, South Zimao 1st Road, High-tech Industrial Park, Zhoushan City, Zhejiang, China
 Production Facility Number: 123649

Tested according to:

- IEC 61215-1:2016
- IEC 61215-1-1:2016
- IEC 61215-2:2016
- IEC 61730-1:2016
- IEC 61730-2:2016