



Product Service

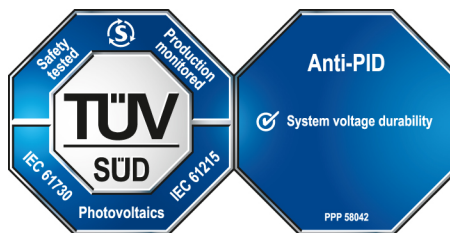
CERTIFICATE

No. Z2 078666 0039 Rev. 06

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 and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 882161901607

Valid until: 2026-07-08

Date, 2022-06-22

(Xinlian LUO)

CERTIFICATE

No. Z2 078666 0039 Rev. 06

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)

HTMxxxMH5-72 (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)

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)

HTMxxxMH5-72(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)

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)



Product Service

CERTIFICATE

No. Z2 078666 0039 Rev. 06

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 1500V DC

Fire Safety Class: Class C according to UL790.

Test Laboratory: Changzhou HuaYang Inspection and Testing Technology Co.,Ltd.

(NO.8 Lanxiang Road, Wujin Economic Development Zone, Changzhou, Jiangsu, China)

Construction: Framed, with Junction box, cable and connector

PID test condition: -1500V DC, 96h, 85% RH, 85°C (for 1500V modules)

-1000V DC, 96h, 85% RH, 85°C (for 1000V modules)

PID testing method is according to IEC TS 62804-1:2015

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

Factory F3-1 and F3-2, Lot F3, Trang Due IP, A part of Dinh Vu-Cat Hai EZ,

Hong phong commune, An Duong District, Haiphong City, Vietnam

Production Facility Number: 097323

Tested

according to:

PPP 58042B:2015

IEC 61215-1:2016

IEC 61215-1-1:2016

IEC 61215-2:2016

IEC 61730-1:2016

IEC 61730-2:2016