

# Certificate



## Certificate No.: 6080934.01DS.001

Report No.: 6080934 050A 001; 6080934 050B 001  
Licensee: Tangshan Haitai New Energy Technology Co., Ltd.  
Address of Licensee: No 88 Haomen Road, Yutian County, Tangshan City, Hebei Province, P. R. China  
Production Plant(s): see annex 1 for details  
The scope of this certificate includes the following products: Crystalline Silicon PV Modules  
Type(s): see annex 1 for details  
Parameters: Maximum System Voltage: 1500V or 1000V; Protection Class: Class II; Pollution Degree: 1; Fire Rating: Class C

According to the results of the type examination and annual quality controls of the production processes carried out by the seal awarding body

DEKRA Testing and Certification (Shanghai) Ltd.  
3F #250 Jiangchangsan Road Building 16 Headquarter Economy Park Shibe Hi-Tech Park,  
Jing'an District Shanghai 200436 China

compliance with the requirements specified in Standards

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

are ensured.

Shanghai, 19 June 2020

It expires at the latest on: 19 June 2025

Cliff Lin  
Certification Body, Company

Crystalline Silicon  
PV Modules  
Type Testing

- ▶ IEC 61215-1: 2016
- ▶ IEC 61215-1-1: 2016
- ▶ IEC 61215-2: 2016
- ▶ IEC 61730-1: 2016
- ▶ IEC 61730-2: 2016
- ▶ Periodically Factory Inspection as per CIG 021-024

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## Annex 1 of 6080934.01DS.001

Type(s):

### PV module with poly c-Si cells:

#### With max. system voltage 1000V

HTMxxxPA-72 (xxx=315-355, in steps of 5, 72 cells)  
HTMxxxPA-60 (xxx=265-295, in steps of 5, 60 cells)  
HTMxxxPA-54 (xxx=240-265, in steps of 5, 54 cells)  
HTMxxxPH-72 (xxx=325-350, in steps of 5, 144 cells)  
HTMxxxPH-60 (xxx=270-290, in steps of 5, 120 cells)  
HTMxxxPH-54 (xxx=245-260, in steps of 5, 108 cells)  
HTM-TSB-xxxP1 (xxx=360-390, in steps of 5, 240 cells)  
HTM-NHN-xxxP (xxx=360-390, in steps of 5, 240 cells)  
HTM-TSA-xxxP1 (xxx=300-320, in steps of 5, 198 cells)  
HTM-NHN-xxxP (xxx=300-320, in steps of 5, 198 cells)

#### With max. system voltage 1500V

HTMxxxPA-72(1500) (xxx=320-355, in steps of 5, 72 cells)  
HTMxxxPA-60(1500) (xxx=270-295, in steps of 5, 60 cells)  
HTMxxxPA-54(1500) (xxx=240-265, in steps of 5, 54 cells)  
HTMxxxPH-72(1500) (xxx=325-350, in steps of 5, 72 cells)  
HTMxxxPH-60(1500) (xxx=270-290, in steps of 5, 60 cells)  
HTMxxxPH-54(1500) (xxx=245-260, in steps of 5, 54 cells)  
HTM-TSB-xxxP1(1500) (xxx=360-390, in steps of 5, 240 cells)  
HTM-NHN-xxxP(1500) (xxx=360-390, in steps of 5, 240 cells)  
HTM-TSA-xxxP1(1500) (xxx=300-320, in steps of 5, 198 cells)  
HTM-NHN-xxxP(1500) (xxx=300-320, in steps of 5, 198 cells)

### PV module with mono c-Si cells:

#### With max. system voltage 1000V

HTMxxxMA-72 (xxx=330-385, in steps of 5, 72 cells)  
HTMxxxMA-60 (xxx=275-320, in steps of 5, 60 cells)  
HTMxxxMA-54 (xxx=250-285, in steps of 5, 54 cells)  
HTMxxxMH-72 (xxx=340-390, in steps of 5, 144 cells)  
HTMxxxMH-60 (xxx=285-325, in steps of 5, 120 cells)  
HTMxxxMH-54 (xxx=255-290, in steps of 5, 108 cells)  
HTMxxxMH2-72 (xxx=390-410, in steps of 5, 144 cells)  
HTMxxxMH2-60 (xxx=325-340, in steps of 5, 120 cells)  
HTM-TSB-xxxM1 (xxx=380-420, in steps of 5, 240 cells)  
HTM-NHN-xxxM (xxx=380-420, in steps of 5, 240 cells)  
HTM-TSA-xxxM1 (xxx=315-345, in steps of 5, 198 cells)  
HTM-NHN-xxxM (xxx=315-345, in steps of 5, 198 cells)  
HTM-TSB-xxxM2 (xxx=410-445, in steps of 5, 240 cells)  
HTM-TSA-xxxM2 (xxx=340-365, in steps of 5, 198 cells)

#### With max. system voltage 1500V

HTMxxxMA-72(1500) (xxx=340-385, in steps of 5, 72 cells)  
HTMxxxMA-60(1500) (xxx=285-320, in steps of 5, 60 cells)

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HTMxxxMA-54(1500) (xxx=250-285, in steps of 5, 54 cells)  
HTMxxxMH-72(1500) (xxx=340-390, in steps of 5, 144 cells)  
HTMxxxMH-60(1500) (xxx=285-325, in steps of 5, 120 cells)  
HTMxxxMH-54(1500) (xxx=255-290, in steps of 5, 108 cells)  
HTMxxxMH2-72(1500) (xxx=390-410, in steps of 5, 144 cells)  
HTMxxxMH2-60(1500) (xxx=325-340, in steps of 5, 120 cells)  
HTM-TSB-xxxM1(1500) (xxx=380-420, in steps of 5, 240 cells)  
HTM-NHN-xxxM(1500) (xxx=380-420, in steps of 5, 240 cells)  
HTM-TSA-xxxM1(1500) (xxx=315-345, in steps of 5, 198 cells)  
HTM-NHN-xxxM(1500) (xxx=315-345, in steps of 5, 198 cells)  
HTM-TSB-xxxM2(1500) (xxx=410-445, in steps of 5, 240 cells)  
HTM-TSA-xxxM2(1500) (xxx=340-365, in steps of 5, 198 cells)

Production Plant A:	Tangshan Haitai New Energy Technology Co., Ltd.
Address of Production Plant A:	No 88 Haomen Road, Yutian County, Tangshan City, Hebei Province, P. R. China
Production Plant B:	HT SOLAR VIETNAM COMPANY LIMITED
Address of Production Plant B:	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, Hai Phong city, Vietnam