

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

HTL (Jiangsu) SOLAR ENERGY TECHNOLOGY CO., LTD.
1-5 Chuangxin Avenue, Longhutang
Xinbei District, Changzhou City
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: 2022-03-18

Valid until: 2026-05-07

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	IEC / EN 61215-1:2016; IEC / EN 61215-1-1:2016; IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018; IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018; IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.
Registered No.:	44 780 22 406749 - 056
Manufacturer:	see Annex 1
Test Report No.:	492011974.001
File No.:	PVP02109/22P



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Certification Body
Consumer Products

Essen, 2022-03-18



Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: **44 780 22 406749 - 056**

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Aktenzeichen: / File reference: **PVP02109/22P**

2022-03-18

Manufacturer:

Manufacturer: **Coded by debtor no. 55496802**

Factory inspection report no.: **862010536.001**

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 182mm Mono-crystalline Silicon Half-cut Solar Cells: 156 cells: HTLxxxM10 (xxx = 560-605, in increment of 5) 144 cells: HTLxxxM10 (xxx = 520-555, in increment of 5) 132 cells: HTLxxxM10 (xxx = 475-510, in increment of 5) 120 cells: HTLxxxM10 (xxx = 430-465, in increment of 5) 108 cells: HTLxxxM10 (xxx = 390-415, in increment of 5) 96 cells: HTLxxxM10 (xxx = 345-370, in increment of 5) 84 cells: HTLxxxM10 (xxx = 300-325, in increment of 5) 72 cells: HTLxxxM10 (xxx = 260-280, in increment of 5) 60 cells: HTLxxxM10 (xxx = 215-230, in increment of 5) 48 cells: HTLxxxM10 (xxx = 175-185, in increment of 5) 42 cells: HTLxxxM10 (xxx = 150-160, in increment of 5) 36 cells: HTLxxxM10 (xxx = 130-140, in increment of 5) 30 cells: HTLxxxM10 (xxx = 110, 115) 26 cells: HTLxxxM10 (xxx = 95, 100) 18 cells: HTLxxxM10 (xxx = 65, 70) 16 cells: HTL60M10 14 cells: HTL50M10
Maximum system voltage:	1500V
Fuse rating:	25A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)



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Module types:	PV Modules with 166mm Mono-crystalline Silicon Half-cut Solar Cells: 156 cells: HTLxxxM6 (xxx = 465-500, in increment of 5) 144 cells: HTLxxxM6 (xxx = 430-465, in increment of 5) 132 cells: HTLxxxM6 (xxx = 395-425, in increment of 5) 120 cells: HTLxxxM6 (xxx = 360-385, in increment of 5) 108 cells: HTLxxxM6 (xxx = 325-345, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	25A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



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