

To / 致:
Company / 公司: Tangshan Haitai New Energy Technology Co., Ltd.
Contact / 联系人: Mr. Huang Zhixun
Email / 邮箱: renzheng@htsolargroup.com

From / 自:
Company / 公司: TÜV NORD (HANGZHOU) CO., LTD. / 杭州汉德质量认证服务有限公司
Contact / 联系人: Ms. Serena / 邬玉婷小姐
Email / 邮箱: sewu@tuv-nord.com

Subject: Announcement of cancellation
主题: 证书取消通知

File No.: PVP09039/23P-01
项目号:
License holder: Tangshan Haitai New Energy Technology Co., Ltd.
持证人:
Certificate No.: 44 780 19 406749 - 409R4M7
证书号:
Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules
产品: 地面用晶体硅光伏组件

Herewith it is declared, that the above noted certificate(s) has (have) been invalidated since 2024-02-28
特此声明, 上述证书自 2024 年 02 月 28 日起失效。

The cancellation is due to:

取消原因:

License holder applied for cancellation.

持证人申请取消。

New certificate(s) (no: _44 780 19 406749 - 409R5M7_) has (have) been issued to replace the cancelled one(s).

新证书(证书号: _44 780 19 406749 - 409R5M7_) 签发, 取代旧证书。

After the expiry date of the certificate(s), the certificate(s) has (have) not been renewed within 6 months.
证书到期 6 个月内未续证。

After the expiry date of last factory inspection conclusion, no factory inspection has been conducted or no payment of annual fees has been received within 6 months.

上一厂检结论有效期到期后, 6 个月内未配合厂检或未支付年度费用。

No payment of annual fees has been received within 6 month after last period of payment of annual fees.
上一证书年费支付期后, 超过 6 个月未支付证书年费。

Others: _____

其他情况: _____

Please pay attention to stop using the invalid certificate(s) from 2024-02-28. Meanwhile, please send back the original copies of above mentioned certificate(s) to us.

请注意从 2024 年 02 月 28 日开始停止使用无效证书。同时, 请将上述证书原件寄回给我们。

TÜV NORD reserved the right of final explanation about the cancellation of certificate(s). TÜV NORD will not take any responsibility for the circumstance of misusing the invalid certificate(s) by the license holder or the manufacturer.

TÜV NORD 保留对证书取消的最终解释权。TÜV NORD 对证书持有者或制造商滥用无效证书的情况不承担任何责任。

Renewable Energy / 可再生能源

TÜV NORD (Hangzhou) Co., Ltd. / 杭州汉德质量认证服务有限公司



Serena / 郇玉婷

Technical Support / 技术支持

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

Tangshan Haitai New Energy Technology Co., Ltd.
Yutai Industrial Zone, Yutian, Tangshan City
Hebei Province, 064100, 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: 2024-02-28

Valid until: 2028-11-28

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; IEC 61730-1:2016 / EN IEC 61730-1:2018; IEC 61730-2:2016 / EN IEC 61730-2:2018.
Registered No.:	44 780 19 406749 - 409R5M7
Manufacturer and factory(-ies):	See Annex 1
Test Report No.:	492011151.011
File No.:	PVP09039/23P-02



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Consumer Products

Essen, 2024-02-28

Please also pay attention to the information stated overleaf.

Manufacturer and factory(-ies):

Manufacturer: **Tangshan Haitai New Energy Technology Co., Ltd.**
Yutai Industrial Zone, Yutian, Tangshan City
Hebei Province, 064100, P.R. China

Factory 1: **Tangshan Haitai New Energy Technology Co., Ltd.**
Yutai Industrial Zone, Yutian, Tangshan City
Hebei Province, 064100, P.R. China

Factory inspection report no.: 862010337.007

Factory 2: **HT SOLAR VIETNAM LIMITED COMPANY**
Factory F3-1 and F3-2, Lot F3, Trang Due Industrial Park, a part of Dinh Vu-Cat Hai economic zone, Hong phong commune, An Duong District, Haiphong city, Vietnam

Factory inspection report no.: 862010420.005

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:	Double Glass PV Modules with 6" Mono Solar Cells: 72 cells: HTMxxxDMA-72 (xxx=335-380, in increments of 5) 60 cells: HTMxxxDMA-60 (xxx=280-315, in increments of 5) Remark: The power parameter included in the module types only indicates maximum power output of front side.
Maximum system voltage:	1500V / 1000V
Fuse rating:	20A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa or 1600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Module types:	Double Glass PV Modules with 6" Mono Half-cut Solar Cells: 144 half-cut cells: HTMxxxDMH-72 (xxx=375-395, in increments of 5) 120 half-cut cells: HTMxxxDMH-60 (xxx=315-330, in increments of 5) 144 half-cut cells: HTMxxxDMH2-72 (xxx=385-405, in increments of 5) 120 half-cut cells: HTMxxxDMH2-60 (xxx=320-335, in increments of 5) 144 half-cut cells: HTMxxxDMH3-72 (xxx=435-470, in increments of 5) 120 half-cut cells: HTMxxxDMH3-60 (xxx=365-390, in increments of 5) Remark: The power parameter included in the module types only indicates maximum power output of front side.
Maximum system voltage:	1500V / 1000V
Fuse rating:	20A
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:	Double Glass PV Modules with 8" Mono Half-cut Solar Cells: 132 half-cut cells: HTMxxxDMH8-66NH (xxx=670-700, in increments of 5) 120 half-cut cells: HTMxxxDMH8-60NH (xxx=610-635, in increments of 5) Remark: The power parameter included in the module types only indicates maximum power output of front side.
Maximum system voltage:	1500V / 1000V
Fuse rating:	30A
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)

Module types:	Double Glass PV Modules with 6" Mono Half-cut Solar Cells: 144 half-cut cells: HTMxxxDMH3-72NH (xxx=450-475, in increments of 5) 120 half-cut cells: HTMxxxDMH3-60NH (xxx=375-395, in increments of 5) Remark: The power parameter included in the module types only indicates maximum power output of front side.
Maximum system voltage:	1500V / 1000V
Fuse rating:	20A
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:	Double Glass PV Modules with 7" Mono Half-cut Solar Cells: 156 half-cut cells: HTMxxxDMH5-78 (xxx=580-605, in increments of 5) 144 half-cut cells: HTMxxxDMH5-72 (xxx=525-555, in increments of 5) 120 half-cut cells: HTMxxxDMH5-60 (xxx=440-460, in increments of 5) 108 half-cut cells: HTMxxxDMH5-54 (xxx=395-415, in increments of 5) Remark: The power parameter included in the module types only indicates maximum power output of front side.
Maximum system voltage:	1500V / 1000V
Fuse rating:	25
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)

Module types:	Double Glass PV Modules with 8" Mono 1/3 cut Solar Cells: 150 1/3 cut cells: HTMxxxDMT8-50 (xxx=485-510, in increments of 5) 120 1/3 cut cells: HTMxxxDMT8-40 (xxx=390-405, in increments of 5) Remark: The power parameter included in the module types only indicates maximum power output of front side.
Maximum system voltage:	1500V / 1000V
Fuse rating:	20A
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:	Double Glass PV Modules with 8" Mono Half-cut Solar Cells: 132 half-cut cells: HTMxxxDMH8-66 (xxx=635-670, in increments of 5) 120 half-cut cells: HTMxxxDMH8-60 (xxx=585-605, in increments of 5) 132 half-cut cells: HTMxxxDMH8-66NT (xxx=660-700, in increments of 5) 120 half-cut cells: HTMxxxDMH8-60NT (xxx=600-635, in increments of 5) Remark: The power parameter included in the module types only indicates maximum power output of front side.
Maximum system voltage:	1500V / 1000V
Fuse rating:	30A
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:	Double Glass PV Modules with 7" TOPCon Half-cut Solar Cells: 156 half-cut cells: HTMxxxDMH5-78NT (xxx=605-640, in increments of 5) 144 half-cut cells: HTMxxxDMH5-72NT (xxx=545-590, in increments of 5) 120 half-cut cells: HTMxxxDMH5-60NT (xxx=455-490, in increments of 5) 108 half-cut cells: HTMxxxDMH5-54NT (xxx=410-440, in increments of 5)
Maximum system voltage:	1500V / 1000V
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).



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