

# CERTIFICATE

**TÜV NORD CERT GmbH**

herewith declares that

**ALTERNATIVE ENERGY(AE) SOLAR Co., Ltd.**

No.26, Jingyi Road, Hongze Economic Development Zone,  
Huai'an City, Jiangsu Province,  
P.R. China

is authorized to provide the product mentioned below with the mark as illustrated:

**Description of product (details see Annex 2):**

**PV Modules with 6" Mono-crystalline Silicon Solar Cells**

**PV Modules with 6" Half-cut Mono-crystalline Silicon Solar Cells**



Valid from: 2021-01-22

Valid until: 2025-09-21

Tested according to: 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 21 406749 - 011  
Manufacturer: see Annex 1  
Test Report No.: 492011594.001  
File No.: PVP11084/20P



**TÜV NORD CERT GmbH**  
Certification Body  
Consumer Products



Essen, 2021-01-22

Please also pay attention to the information stated overleaf.

**Manufacturer:**

Manufacturer: **ALTERNATIVE ENERGY(AE) SOLAR Co., Ltd.**  
No.26, Jingyi Road, Hongze Economic Development Zone,  
Huai'an City, Jiangsu Province, P.R. China

Factory inspection report no.: 862010511.001

**Remark:**

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.



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**Consumer Products**

**Description of product(s):**

Module types:	<b>PV Modules with 6" Mono-crystalline Silicon Solar Cells:</b> 72 cells: AExxxM6-72 (xxx = 375-385, in increment of 5) 60 cells: AExxxM6-60 (xxx = 315-320, in increment of 5)
Maximum system voltage:	1500V
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)

Module types:	<b>PV Modules with 6" Half-cut Mono-crystalline Silicon Solar Cells:</b> 144 cells: AExxxHM6L-72 (xxx = 380-415, in increment of 5) 120 cells: AExxxHM6L-60 (xxx = 315-345, in increment of 5) 144 cells: AExxxHM6L-72 (xxx = 425-465, in increment of 5) 120 cells: AExxxHM6L-60 (xxx = 355-385, in increment of 5)
Maximum system voltage:	1500V
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)

## Remark:

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



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