

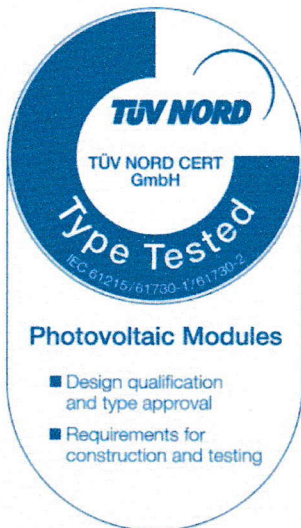
# CERTIFICATE



**TÜV NORD CERT GmbH**  
herewith declares that

**Worldwide Energy and Manufacturing USA Co., LIMITED**  
RM1708 C1, Nanfung Tower, 173 Desvoeux RD  
CENTRAL , 999077  
Hong Kong

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 5" Mono-crystalline Silicon Solar Cells**

Valid until: 2018-09-02

Tested according to: IEC / EN 61215:2005;  
IEC 61730-1:2004+A1:2011+A2:2013 / EN 61730-1:2007+A1:2012+A2:2013;  
IEC 61730-2:2004+A1:2011 / EN 61730-2:2007+A1:2012.

Registered No.: 44 780 15 406749 - 079

Manufacturer: see Annex 1

Test Report No.: 492010435.003

File No.: SHV05032/15

TÜV NORD CERT GmbH  
Certification Body  
Consumer Products

Essen, 2015-06-18

Please also pay attention to the information stated overleaf.

**Manufacturer:**

Manufacturer: **Worldwide Energy and Manufacturing (Nantong) Co., Ltd.**  
No. 88, Qifeng Road, Rucheng Town  
Rugao City, Jiangsu Province, 226500, P.R. China

Factory inspection report no.: 862010205.002

**Remark:**

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



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

**Description of product(s):**

Module types:

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

72 cells: AS-6M-xxxW (xxx = 270 - 330, in increments of 5)

60 cells: AS-6M30-xxxW (xxx = 225 - 275, in increments of 5)

54 cells: AS-6M27-xxxW (xxx = 205 - 245, in increments of 5)

48 cells: AS-6M24-xxxW (xxx = 180 - 220, in increments of 5)

42 cells: AS-6M21-xxxW (xxx = 160 - 190, in increments of 5)

36 cells: AS-6M18-xxxW (xxx = 135 - 165, in increments of 5)

30 cells: AS-6M15-xxxW (xxx = 110 - 135, in increments of 5)

24 cells: AS-6M12-xxxW (xxx = 90 - 110, in increments of 5)

18 cells: AS-6M9-xxxW (xxx = 65 - 80, in increments of 5)

12 cells: AS-6M6-xxxW (xxx = 45 - 55, in increments of 5)

Maximum system voltage:	1000V
Fuse rating:	15A
Application class:	Class A
Electrical protection class:	Class II
Fire safety class:	Class C
Rated mechanical load:	5400Pa



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Module types:

**PV Modules with 5" Mono-crystalline Silicon Solar Cells**

72 cells: AS-5M-xxxW (xxx = 175 - 210, in increments of 5)

60 cells: AS-5M30-xxxW (xxx = 145 - 175, in increments of 5)

48 cells: AS-5M24-xxxW (xxx = 120 - 140, in increments of 5)

42 cells: AS-5M21-xxxW (xxx = 105 - 120, in increments of 5)

36 cells: AS-5M18-xxxW (xxx = 90 - 105, in increments of 5)

30 cells: AS-5M15-xxxW (xxx = 75 - 85, in increments of 5)

24 cells: AS-5M12-xxxW (xxx = 60 - 70, in increments of 5)

20 cells: AS-5M10-xxxW (xxx = 45 - 55, in increments of 5)

16 cells: AS-5M8-xxxW (xxx = 35 - 45, in increments of 5)

12 cells: AS-5M6-xxxW (xxx = 25 - 35, in increments of 5)

8 cells: AS-5M4-xxxW (xxx = 15 - 20, in increments of 5)

4 cells: AS-5M2-xxxW (xxx = 5 - 10, in increments of 5)

Maximum system voltage: 1000V

Fuse rating: 10A

Application class: Class A

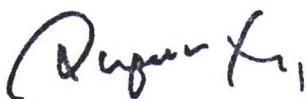
Electrical protection class: Class II

Fire safety class: Class C

Rated mechanical load: 5400Pa

Remark:

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



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