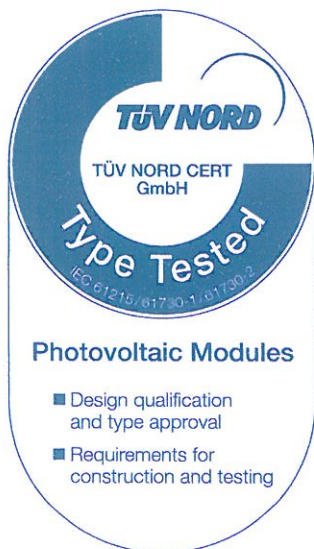


**TÜV NORD CERT GmbH**  
herewith declares that

**OPES Solutions Co., Ltd.**  
1F, B1, Wujin Hutang Sci. and Tech. Industry Park, Changzhou, PRC

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



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

**Photovoltaic (PV) Modules**

**Model:** OPES 60FMdef, OPES 36FMdef, OPES 36CMdef,  
OPES 12CMdef, OPES 10CMdef, OPES 9CMdef,  
OPES 33CMdef

Valid until 2022-08-06

Tested according to: IEC / EN 61215:2005;  
IEC 61730-1:2004+A1:2011+A2:2013 / EN 61730-1:2007+A1:2012+A2:2013+A11:2014;  
IEC 61730-2:2004+A1:2011 / EN 61730-2:2007+A1:2012.

Registered No.: 44 780 17 406749 - 142

Manufacturer: see Annex 1

Test Report No.: TWR1706004 001

File No.: TW057716R1



TÜV NORD CERT GmbH  
Certification Body  
Consumer Products

Essen, 2017-08-07

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: 44 780 17 406749 - 142

Seite / Page 1 von / of 1

Aktenzeichen: / File reference: TW057716R1

2017-08-07

Liste der Fertigungsstätten: / List of manufacturing plant:

1. **OPES Solutions Co., Ltd.**  
1F, B1, Wujin Hutang Sci. and Tech. Industry Park, Changzhou, PRC

Die Liste enthält 1 Fertigungsstätten. / This list contains 1 manufacturing plant.

A handwritten signature in blue ink, appearing to read "Rogers" followed by a stylized flourish.

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

Type Designation	Cell Q'ty	Cell Size (mm)	Power Range (W)
OPES 60FMdef	60 pcs	156 x 156	245 - 295
OPES 36FMdef	36 pcs	156 x 156	150 - 180
OPES 36CMdef	36 pcs	156 x 78	80 - 90
		156 x 52	50 - 60
		156 x 41.6	40 - 48
		156 x 31.2	30 - 36
		78 x 52	25 - 30
		78 x 39	20 - 24
		78 x 31.2	17 - 19
		39 x 52	13 - 15
		39 x 39	10 - 12
		156 x 104	90 - 110
		156 x 117	110 - 125
		156 x 130	125 - 145
		OPES 12CMdef	12 pcs
78 x 39	6 - 7		
78 x 22	3.6 - 3.9		
OPES 10CMdef	10 pcs	39 x 39	2.5 - 3.0
OPES 9CMdef	9 pcs	156 x 11	2.7 - 3.3
OPES 33CMdef	33 pcs	33 x 5.2	1.8 - 2.2

Cell Technology: Mono-Crystalline  
Maximum System Voltage: DC 1000V  
Maximum Over-Current Protection Rating: 20A maximum  
Safety Application Class: A  
Safety Class: Class II  
Fire Safety Class: C  
Static Mechanical Load: Mechanical load at 5400 Pa has been performed



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