



Product Service

# CERTIFICATE

No. Z2 17 05 78488 056

**Holder of Certificate: Suzhou Talesun Solar Technologies Co., Ltd.**No. 1 Talesun Road  
Changkun Industrial Park  
Shajiabang Town, Changshu  
215542 Suzhou, Jiangsu Province  
PEOPLE'S REPUBLIC OF CHINA**Certification Mark:****Product:****Crystalline Silicon Terrestrial Photovoltaic (PV) Modules  
Mono-Crystalline Silicon Photovoltaic Module**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 704061199501-09

Valid until: 2022-05-24



Date, 2017-05-26

( Zhulin Zhang )

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# CERTIFICATE

No. Z2 17 05 78488 056

## Model(s):

1000 VDC system voltage Modules:  
 TP672M-270, TP672M-275, TP672M-280, TP672M-285,  
 TP672M-290, TP672M-295, TP672M-300, TP672M-305,  
 TP672M-310, TP672M-315, TP672M-320, TP672M-325,  
 TP672M-330, TP672M-335, TP672M-340, TP672M-345,  
 TP672M-350, TP672M-355, TP672M-360, TP672M-365,  
 TP672M-370, TP672M-375, TP660M-215, TP660M-220,  
 TP660M-225, TP660M-230, TP660M-235, TP660M-240,  
 TP660M-245, TP660M-250, TP660M-255, TP660M-260,  
 TP660M-265, TP660M-270, TP660M-275, TP660M-280,  
 TP660M-285, TP660M-290, TP660M-295, TP660M-300,  
 TP660M-305, TP660M-310, TP660M-315, TP654M-195,  
 TP654M-200, TP654M-205, TP654M-210, TP654M-215,  
 TP654M-220, TP654M-225, TP654M-230, TP654M-235,  
 TP654M-240, TP654M-245, TP654M-250, TP654M-255,  
 TP654M-260, TP654M-265, TP654M-270, TP654M-275,  
 TP648M-170, TP648M-175, TP648M-180,  
 TP648M-185, TP648M-190, TP648M-195, TP648M-200,  
 TP648M-205, TP648M-210, TP648M-215, TP648M-220,  
 TP648M-225, TP648M-230, TP648M-235, TP648M-240,  
 TP648M-245, TP648M-250

1500 VDC system voltage modules:  
 TP672M(H)-295, TP672M(H)-300, TP672M(H)-305, TP672M(H)-310,  
 TP672M(H)-315, TP672M(H)-320, TP672M(H)-325, TP672M(H)-330,  
 TP672M(H)-335, TP672M(H)-340, TP672M(H)-345, TP672M(H)-350,  
 TP672M(H)-355, TP672M(H)-360, TP672M(H)-365, TP672M(H)-370,  
 TP672M(H)-375, TP660M(H)-245, TP660M(H)-250, TP660M(H)-255,  
 TP660M(H)-260, TP660M(H)-265, TP660M(H)-270, TP660M(H)-275,  
 TP660M(H)-285, TP660M(H)-290, TP660M(H)-295, TP660M(H)-300,  
 TP660M(H)-305, TP660M(H)-310, TP660M(H)-315, TP654M(H)-220,  
 TP654M(H)-225, TP654M(H)-230, TP654M(H)-235, TP654M(H)-240,  
 TP654M(H)-245, TP654M(H)-250, TP654M(H)-255, TP654M(H)-260,  
 TP654M(H)-265, TP654M(H)-270, TP654M(H)-275, TP654M(H)-280,  
 TP648M(H)-195, TP648M(H)-200, TP648M(H)-205, TP648M(H)-210,  
 TP648M(H)-215, TP648M(H)-220, TP648M(H)-225, TP648M(H)-230,  
 TP648M(H)-235, TP648M(H)-240, TP648M(H)-245, TP648M(H)-250

## Parameters:

Rated Output Power at STC:	See attachment.
Construction:	Framed, with Junction box, Cable and Connectors.
Test Laboratory:	Yangzhou Opto-Electrical Products Testing Institute; No. 10 West Kaifa Road, Yangzhou, 225009 Jiangsu, P. R. China
Application Class:	Class A
Maximum System Voltage:	1000 V DC or 1500 V DC
Fire Safety Class:	Class C

## Tested according to:

IEC 61215(ed.2)  
 EN 61215:2005  
 IEC 61730-1(ed.1);am1;am2  
 EN 61730-1:2007/A2:2013  
 IEC 61730-2(ed.1);am1  
 EN 61730-2:2007/A1:2012

## Production Facility(ies):

78488, 96715, 97824, 97825

**CERTIFICATE**  
**No. Z2 17 05 78488 056**



Product Service

The following models will be covered by above certificate:

Model	Rated Output Power at STC
<b>1000 VDC system voltage Modules:</b>	
TP672M-270, TP672M-275, TP672M-280, TP672M-285, TP672M-290, TP672M-295, TP672M-300, TP672M-305, TP672M-310, TP672M-315, TP672M-320, TP672M-325, TP672M-330, TP672M-335, TP672M-340, TP672M-345, TP672M-350, TP672M-355, TP672M-360, TP672M-365, TP672M-370, TP672M-375,	270 W, 275 W, 280 W, 285 W, 290 W, 295 W, 300 W, 305 W, 310 W, 315 W, 320 W, 325 W, 330 W, 335 W, 340 W, 345 W, 350 W, 355 W, 360 W, 365 W, 370 W, 375 W,
TP660M-215, TP660M-220, TP660M-225, TP660M-230, TP660M-235, TP660M-240, TP660M-245, TP660M-250, TP660M-255, TP660M-260, TP660M-265, TP660M-270, TP660M-275, TP660M-280, TP660M-285, TP660M-290, TP660M-295, TP660M-300, TP660M-305, TP660M-310, TP660M-315,	215 W, 220 W, 225 W, 230 W, 235 W, 240 W, 245 W, 250 W, 255 W, 260 W, 265 W, 270 W, 275 W, 280 W, 285 W, 290 W, 295 W, 300 W, 305 W, 310 W, 315 W,
TP654M-195, TP654M-200, TP654M-205, TP654M-210, TP654M-215, TP654M-220, TP654M-225, TP654M-230, TP654M-235, TP654M-240, TP654M-245, TP654M-250, TP654M-255, TP654M-260, TP654M-265, TP654M-270, TP654M-275, TP654M-280,	195 W, 200 W, 205 W, 210 W, 215 W, 220 W, 225 W, 230 W, 235 W, 240 W, 245 W, 250 W, 255 W, 260 W, 265 W, 270 W, 275 W, 280 W,
TP648M-170, TP648M-175, TP648M-180, TP648M-185, TP648M-190, TP648M-195, TP648M-200, TP648M-205, TP648M-210, TP648M-215, TP648M-220, TP648M-225, TP648M-230, TP648M-235, TP648M-240, TP648M-245, TP648M-250,	170 W, 175 W, 180 W, 185 W, 190 W, 195 W, 200 W, 205 W, 210 W, 215 W, 220 W, 225 W, 230 W, 235 W, 240 W, 245 W, 250 W,
<b>1500 VDC system voltage modules:</b>	
TP672M(H)-295, TP672M(H)-300, TP672M(H)-305, TP672M(H)-310, TP672M(H)-315, TP672M(H)-320, TP672M(H)-325, TP672M(H)-330, TP672M(H)-335, TP672M(H)-340, TP672M(H)-345, TP672M(H)-350, TP672M(H)-355, TP672M(H)-360, TP672M(H)-365, TP672M(H)-370, TP672M(H)-375,	295 W, 300 W, 305 W, 310 W, 315 W, 320 W, 325 W, 330 W, 335 W, 340 W, 345 W, 350 W, 355 W, 360 W, 365 W, 370 W, 375 W,
TP660M(H)-245, TP660M(H)-250, TP660M(H)-255, TP660M(H)-260, TP660M(H)-265, TP660M(H)-270, TP660M(H)-275, TP660M(H)-285, TP660M(H)-290, TP660M(H)-295, TP660M(H)-300, TP660M(H)-305, TP660M(H)-310, TP660M(H)-315,	245 W, 250 W, 255 W, 260 W, 265 W, 270 W, 275 W, 280 W, 285 W, 295 W, 300 W, 305 W, 310 W, 315 W,
TP654M(H)-220, TP654M(H)-225, TP654M(H)-230, TP654M(H)-235, TP654M(H)-240, TP654M(H)-245, TP654M(H)-250, TP654M(H)-255, TP654M(H)-260, TP654M(H)-265, TP654M(H)-270, TP654M(H)-275, TP654M(H)-280,	220 W, 225 W, 230 W, 235 W, 240 W, 245 W, 250 W, 255 W, 260 W, 265 W, 270 W, 275 W, 280 W,
TP648M(H)-195, TP648M(H)-200, TP648M(H)-205, TP648M(H)-210, TP648M(H)-215, TP648M(H)-220, TP648M(H)-225, TP648M(H)-230, TP648M(H)-235, TP648M(H)-240, TP648M(H)-245, TP648M(H)-250,	195 W, 200 W, 205 W, 210 W, 215 W, 220 W, 225 W, 230 W, 235 W, 240 W, 245 W, 250 W,



Product Service

# CERTIFICATE

No. Z2 17 05 78488 055

**Holder of Certificate: Suzhou Talesun Solar Technologies Co., Ltd.**

No. 1 Talesun Road  
 Changkun Industrial Park  
 Shajiabang Town, Changshu  
 215542 Suzhou, Jiangsu Province  
 PEOPLE'S REPUBLIC OF CHINA

**Certification Mark:****Product:**

**Crystalline Silicon Terrestrial Photovoltaic (PV) Modules  
 Poly-Crystalline Silicon Photovoltaic Module**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

**Test report no.:** 704061199502-09

**Valid until:** 2022-05-15



**Date,** 2017-05-23

( Zhulin Zhang )

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**CERTIFICATE**

No. Z2 17 05 78488 055

**Model(s):****1000 V DC system voltage modules:**

TP672P-260, TP672P-265, TP672P-270, TP672P-275,  
 TP672P-280, TP672P-285, TP672P-290, TP672P-295,  
 TP672P-300, TP672P-305, TP672P-310, TP672P-315,  
 TP672P-320, TP672P-325, TP672P-330, TP672P-335,  
 TP672P-340, TP672P-345, TP660P-210, TP660P-215,  
 TP660P-220, TP660P-225, TP660P-230, TP660P-235,  
 TP660P-240, TP660P-245, TP660P-250, TP660P-255,  
 TP660P-260, TP660P-265, TP660P-270, TP660P-275,  
 TP660P-280, TP660P-285, TP654P-190, TP654P-195,  
 TP654P-200, TP654P-205, TP654P-210, TP654P-215,  
 TP654P-220, TP654P-225, TP654P-230, TP654P-235,  
 TP654P-240, TP654P-245, TP654P-250, TP654P-255,  
 TP648P-170, TP648P-175, TP648P-180, TP648P-185,  
 TP648P-190, TP648P-195, TP648P-200, TP648P-205,  
 TP648P-210, TP648P-215, TP648P-220, TP648P-225,  
 TP648P-230, TP636P-130, TP636P-135, TP636P-140,  
 TP636P-145, TP636P-150.

**1500 V DC system voltage modules:**

TP672P(H)-285, TP672P(H)-290, TP672P(H)-295, TP672P(H)-300,  
 TP672P(H)-305, TP672P(H)-310, TP672P(H)-315, TP672P(H)-320,  
 TP672P(H)-325, TP672P(H)-330, TP672P(H)-335, TP672P(H)-340,  
 TP672P(H)-345, TP660P(H)-235, TP660P(H)-240, TP660P(H)-245,  
 TP660P(H)-250, TP660P(H)-255, TP660P(H)-260, TP660P(H)-265,  
 TP660P(H)-270, TP660P(H)-275, TP660P(H)-280, TP660P(H)-285,  
 TP654P(H)-210, TP654P(H)-215, TP654P(H)-220, TP654P(H)-225,  
 TP654P(H)-230, TP654P(H)-235, TP654P(H)-240, TP654P(H)-245,  
 TP654P(H)-250, TP654P(H)-255, TP648P(H)-190, TP648P(H)-195,  
 TP648P(H)-200, TP648P(H)-205, TP648P(H)-210, TP648P(H)-215,  
 TP648P(H)-220, TP648P(H)-225, TP648P(H)-230.

**Parameters:**Rated Output Power  
at STC:

See attachment.

Construction:

Framed, with Junction box,  
Cable and Connectors.

Test Laboratory:

Yangzhou Opto-Electrical  
Products Testing Institute;  
No. 10 West Kaifa Road, Yangzhou,  
225009 Jiangsu, P. R. China

Application Class:

Class A

Maximum System Voltage: 1000 V DC or 1500 V DC

Fire Safety Class:

Class C

**Tested  
according to:**

IEC 61215(ed.2)  
 EN 61215:2005  
 IEC 61730-1(ed.1);am1;am2  
 EN 61730-1:2007/A2:2013  
 IEC 61730-2(ed.1);am1  
 EN 61730-2:2007/A1:2012

**Production  
Facility(ies):**

78488, 96715, 97824, 97825

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**CERTIFICATE**  
**No. Z2 17 05 78488 055**



Product Service

The following models will be covered by above certificate:

Model	Rated Output Power at STC
<b>1000 VDC system voltage Modules:</b>	
TP672P-260, TP672P-265, TP672P-270, TP672P-275, TP672P-280, TP672P-285, TP672P-290, TP672P-295, TP672P-300, TP672P-305, TP672P-310, TP672P-315, TP672P-320, TP672P-325, TP672P-330, TP672P-335, TP672P-340, TP672P-345,	260 W, 265 W, 270 W, 275 W, 280 W, 285 W, 290 W, 295 W, 300 W, 305 W, 310 W, 315 W, 320 W, 325 W, 330 W, 335 W, 340 W, 345 W
TP660P-210, TP660P-215, TP660P-220, TP660P-225, TP660P-230, TP660P-235, TP660P-240, TP660P-245, TP660P-250, TP660P-255, TP660P-260, TP660P-265, TP660P-270, TP660P-275, TP660P-280, TP660P-285,	210 W, 215 W, 220 W, 225 W, 230 W, 235 W, 240 W, 245 W, 250 W, 255 W, 260 W, 265 W, 270 W, 275 W, 280 W, 285 W,
TP654P-190, TP654P-195, TP654P-200, TP654P-205, TP654P-210, TP654P-215, TP654P-220, TP654P-225, TP654P-230, TP654P-235, TP654P-240, TP654P-245, TP654P-250, TP654P-255,	190 W, 195 W, 200 W, 205 W, 210 W, 215 W, 220 W, 225 W, 230 W, 235 W, 240 W, 245 W, 250 W, 255 W,
TP648P-170, TP648P-175, TP648P-180, TP648P-185, TP648P-190, TP648P-195, TP648P-200, TP648P-205, TP648P-210, TP648P-215, TP648P-220, TP648P-225, TP648P-230	170W, 175 W, 180 W, 185 W, 190 W, 195 W, 200 W, 205 W, 210 W, 215 W, 220 W, 225 W, 230 W,
TP636P-130, TP636P-135, TP636P-140, TP636P-145, TP636P-150	130 W, 135 W, 140 W, 145 W, 150 W
<b>1500 VDC system voltage Modules:</b>	
TP672P(H)-285, TP672P(H)-290, TP672P(H)-295, TP672P(H)-300, TP672P(H)-305, TP672P(H)-310, TP672P(H)-315, TP672P(H)-320, TP672P(H)-325, TP672P(H)-330, TP672P(H)-335, TP672P(H)-340, TP672P(H)-345,	285 W, 290 W, 295 W, 300 W, 305 W, 310 W, 315 W, 320 W, 325 W, 330 W, 335 W, 340 W, 345 W
TP660P(H)-235, TP660P(H)-240, TP660P(H)-245, TP660P(H)-250, TP660P(H)-255, TP660P(H)-260, TP660P(H)-265, TP660P(H)-270, TP660P(H)-275, TP660P(H)-280, TP660P(H)-285,	235 W, 240 W, 245 W, 250 W, 255 W, 260 W, 265 W, 270 W, 275 W, 280 W, 285 W
TP654P(H)-210, TP654P(H)-215, TP654P(H)-220, TP654P(H)-225, TP654P(H)-230, TP654P(H)-235, TP654P(H)-240, TP654P(H)-245, TP654P(H)-250, TP654P(H)-255,	210 W, 215 W, 220 W, 225 W, 230 W, 235 W, 240 W, 245 W, 250 W, 255 W,
TP648P(H)-190, TP648P(H)-195, TP648P(H)-200, TP648P(H)-205, TP648P(H)-210, TP648P(H)-215, TP648P(H)-220, TP648P(H)-225, TP648P(H)-230,	190 W, 195 W, 200 W, 205 W, 210 W, 215 W, 220 W, 225 W, 230 W

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50378338

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0001

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
L.L.	01-FLY-15104113 001	12.05.2017	(day/mo/yr)

**Genehmigungsinhaber *License Holder***  
Suzhou Talesun Solar Technologies  
Co., Ltd.  
No.1 Talesun Road,  
Changkun Industrial Park,  
Shajiabang Town, Changshu,  
Suzhou, Jiangsu Province, 215542  
P.R. China

**Fertigungsstätte *Manufacturing Plant***  
Suzhou Talesun Solar Technologies  
Co., Ltd.  
No.1 Talesun Road,  
Changkun Industrial Park,  
Shajiabang Town, Changshu,  
Suzhou, Jiangsu Province, 215542  
P.R. China

## Prüfzeichen *Test Mark*



## Geprüft nach *Tested acc. to*

EN 61215:2005  
IEC 61215:2005  
EN 61730-1:2007+A1+A2+A11  
IEC 61730-1:2004+A1+A2  
EN 61730-2:2007+A1  
IEC 61730-2:2004+A1

**Zertifiziertes Produkt (Geräteidentifikation)**  
*Certified Product (Product Identification)*

**Lizenzentgelte - Einheit**  
*License Fee - Unit*

## PV-Module

Type Designations:

With 6" mono cells:

TP672M-xxx (xxx=265-375, in steps of 5, 72 cells)  
TP660M-xxx (xxx=220-315, in steps of 5, 60 cells)  
TP654M-xxx (xxx=205-280, in steps of 5, 54 cells)  
TP648M-xxx (xxx=185-250, in steps of 5, 48 cells)

With 6" poly cells:

TP672P-xxx (xxx=260-345, in steps of 5, 72 cells)  
TP660P-xxx (xxx=215-285, in steps of 5, 60 cells)  
TP654P-xxx (xxx=195-255, in steps of 5, 54 cells)  
TP648P-xxx (xxx=175-230, in steps of 5, 48 cells)

With 5" mono cells:

TP572M-xxx (xxx=170-205, in steps of 5, 72 cells)  
TP596M-xxx (xxx=230-275, in steps of 5, 96 cells)

Remarks:

- The above listed PV modules fulfil the requirements of Application Class A (Class II acc. to IEC 61140). They may be used in PV plants at a maximum system voltage (Voc at STC) of up to 1000 VDC
- The above listed PV modules fulfil the requirements of fire rating class C.

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.



Zertifizierungsstelle

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com

Fax: +49 221 806-3935 http://www.tuv.com/safety

Dipl.-Ing. (TU) G. Reimann

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50378338

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0002

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
L.L.	01-FLY-15104113 001	12.05.2017	(day/mo/yr)

**Genehmigungsinhaber *License Holder***  
Suzhou Talesun Solar Technologies  
Co., Ltd.  
No.1 Talesun Road,  
Changkun Industrial Park,  
Shajiabang Town, Changshu,  
Suzhou, Jiangsu Province, 215542  
P.R. China

**Fertigungsstätte *Manufacturing Plant***  
Suzhou Talesun Solar Technologies  
Co., Ltd.  
No.1 Talesun Road,  
Changkun Industrial Park,  
Shajiabang Town, Changshu,  
Suzhou, Jiangsu Province, 215542  
P.R. China

**Prüfzeichen *Test Mark***



**Geprüft nach *Tested acc. to***

EN 61215:2005  
IEC 61215:2005  
EN 61730-1:2007+A1+A2+A11  
IEC 61730-1:2004+A1+A2  
EN 61730-2:2007+A1  
IEC 61730-2:2004+A1

**Zertifiziertes Produkt (Geräteidentifikation)**  
*Certified Product (Product Identification)*

**Lizenzentgelte - Einheit**  
*License Fee - Unit*

PV-Module

Continuation of Page 0001

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**Conditions:**

The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certificate is valid until 09 May 2022.



4

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

**Zertifizierungsstelle**

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com  
Fax: +49 221 806-3935 http://www.tuv.com/safety

**Dipl.-Ing. (TU) G. Reimann**



# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50378338

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0003

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
L.L.	01-FLY-15104113 001	12.05.2017	(day/mo/yr)

**Genehmigungsinhaber *License Holder***  
Suzhou Talesun Solar Technologies  
Co., Ltd.  
No.1 Talesun Road,  
Changkun Industrial Park,  
Shajiabang Town, Changshu,  
Suzhou, Jiangsu Province, 215542  
P.R. China

**Fertigungsstätte *Manufacturing Plant***  
Talesun Technologies (Thailand)  
Co., Ltd.  
7/473 Moo.6 Mabyangporn,  
Pluakdaeng,  
Rayong 21140  
Thailand

## Prüfzeichen *Test Mark*



## Geprüft nach *Tested acc. to*

EN 61215:2005  
IEC 61215:2005  
EN 61730-1:2007+A1+A2+A11  
IEC 61730-1:2004+A1+A2  
EN 61730-2:2007+A1  
IEC 61730-2:2004+A1

**Zertifiziertes Produkt (Geräteidentifikation)**  
*Certified Product (Product Identification)*

**Lizenzentgelte - Einheit**  
*License Fee - Unit*

## PV-Module

In addition:

4

Manufacturing Plant See Above

## Bedingungen:

The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certificate is valid until 09 May 2022.

4

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.



Zertifizierungsstelle

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com  
Fax: +49 221 806-3935 http://www.tuv.com/safety

Dipl.-Ing. (TU) G. Reimann

Suzhou Talesun Solar Technologies  
Co., Ltd.  
Lu Ping

Date : 12.05.2017  
Our ref. : FLY 01  
Your ref.: L.L.

No.1 Talesun Road,  
Changkun Industrial Park,  
Shajiabang Town, Changshu,  
Suzhou, Jiangsu Province, 215542  
P.R. China

**Ref : PV Photovoltaic Modules**

Type of Equipment : PV-Module  
Model Designation : See Certificate  
Certificate No. : PV 50378338 0001  
Report No. : 15104113 001

Dear Lu Ping,

Thank you very much for your interest in our services.

Please find enclosed your certification documents.

We appreciate your support and would like to offer our assistance in the approval of your future products through our extensive range of technical services.

Please feel free to contact us whatever your requirements may be.

With kind regards,

Certification Body

  
Dipl.-Ing. (TU) G. Reimann

cc: Suzhou Talesun Solar Technologies

Enclosure

证书的详细资料请登陆[www.certipedia.com](http://www.certipedia.com)查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询



Product Service

# CERTIFICATE

No. Z2 17 01 78488 047

**Holder of Certificate:** Suzhou Talesun Solar Technologies Co., Ltd.

No. 1 Talesun Road  
 Changkun Industrial Park  
 Shajiang Town, Changshu  
 215542 Suzhou, Jiangsu Province  
 PEOPLE'S REPUBLIC OF CHINA



**Certification Mark:**



**Product:** Crystalline Silicon Terrestrial Photovoltaic (PV) Modules  
 Mono-Crystalline Silicon Photovoltaic Module

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

**Test report no.:** 7064061617101-00

**Valid until:** 2022-01-04



**Date,** 2017-01-24

( Zhulin Zhang )

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**CERTIFICATE**

**No. Z2 17 01 78488 047**

**Model(s):**

Frameless modules with system voltage 1500VDC or 1000VDC:  
 TD672M-290, TD672M-295, TD672M-300, TD672M-305,  
 TD672M-310, TD672M-315, TD672M-320, TD672M-325,  
 TD672M-330, TD672M-335, TD672M-340, TD672M-345,  
 TD672M-350, TD660M-250, TD660M-255, TD660M-260,  
 TD660M-265, TD660M-270, TD660M-275, TD660M-280,  
 TD660M-285, TD660M-290, TD654M-220, TD654M-225,  
 TD654M-230, TD654M-235, TD654M-240, TD654M-245,  
 TD654M-250, TD654M-255, TD654M-260, TD654M-265.  
 Framed modules with system voltage 1000VDC:  
 TD660M-250, TD660M-255, TD660M-260, TD660M-265,  
 TD660M-270, TD660M-275, TD660M-280, TD660M-285,  
 TD660M-290, TD654M-220, TD654M-225, TD654M-230,  
 TD654M-235, TD654M-240, TD654M-245, TD654M-250,  
 TD654M-255, TD654M-260, TD654M-265.

**Parameters:**

Rated Output Power at STC:	Frameless modules with system voltage 1500VDC or 1000VDC: 290 W, 295 W, 300 W, 305 W, 310 W, 315 W, 320 W, 325 W, 330 W, 335 W, 340 W, 345 W, 350 W, 250 W, 255 W, 260 W, 265 W, 270 W, 275 W, 280 W, 285 W, 290 W, 220 W, 225 W, 230 W, 235 W, 240 W, 245 W, 250 W, 255 W, 260 W, 265 W. Framed modules with system voltage 1000VDC: 250 W, 255 W, 260 W, 265 W, 270 W, 275 W, 280 W, 285 W, 290 W, 220 W, 225 W, 230 W, 235 W, 240 W, 245 W, 250 W, 255 W, 260 W, 265 W.
Construction:	Frameless or Framed, with Junction box, Cable and Connectors.
Test Laboratory:	Yangzhou Opto-Electrical Products Testing Institute; No. 10 West Kaifa Road, Yangzhou, 225009 Jiangsu, P. R. China
Application Class:	Class A
Maximum System Voltage:	1500 V DC or 1000 V DC
Fire Safety Class:	Class C

**Tested according to:**

IEC 61215(ed.2)  
 EN 61215:2005  
 IEC 61730-1(ed.1);am1;am2  
 EN 61730-1:2007/A2:2013  
 IEC 61730-2(ed.1);am1  
 EN 61730-2:2007/A1:2012

**Production Facility(ies):**

78488, 96715, 97825, 97824



Product Service

# CERTIFICATE

No. Z2 17 02 78488 050

**Holder of Certificate:** Suzhou Talesun Solar Technologies Co., Ltd.

No. 1 Talesun Road  
Changkun Industrial Park  
Shajiabang Town, Changshu  
215542 Suzhou, Jiangsu Province  
PEOPLE'S REPUBLIC OF CHINA



**Certification Mark:**



**Product:**

Crystalline Silicon Terrestrial Photovoltaic (PV) Modules  
Poly-Crystalline Silicon Photovoltaic Module

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

**Test report no.:** 704061509302-03

**Valid until:** 2022-02-26



**Date,** 2017-03-07

( Zhulin Zhang )

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**CERTIFICATE**

**No. Z2 17 02 78488 050**

**Model(s):**

Frameless modules with system voltage  
1500VDC or 1000VDC:

TD672P-280, TD672P-285, TD672P-290, TD672P-295,  
TD672P-300, TD672P-305, TD672P-310, TD672P-315,  
TD672P-320, TD672P-325, TD672P-330, TD672P-335,  
TD660P-240, TD660P-245, TD660P-250, TD660P-255,  
TD660P-260, TD660P-265, TD660P-270, TD660P-275,  
TD660P-280, TD654P-215, TD654P-220, TD654P-225,  
TD654P-230, TD654P-235, TD654P-240, TD654P-245,  
TD654P-250, TD654P-255

Framed modules with system voltage 1000VDC:

TD660P-240, TD660P-245, TD660P-250, TD660P-255,  
TD660P-260, TD660P-265, TD660P-270, TD660P-275,  
TD660P-280, TD654P-215, TD654P-220, TD654P-225,  
TD654P-230, TD654P-235, TD654P-240, TD654P-245,  
TD654P-250, TD654P-255

**Parameters:**

Rated Output Power  
at STC:

Frameless modules with system  
voltage 1500VDC or 1000VDC:

280 W, 285 W, 290 W, 295 W,  
300 W, 305 W, 310 W, 315 W,  
320 W, 325 W, 330 W, 335 W,  
240 W, 245 W, 250 W, 255 W,  
260 W, 265 W, 270 W, 275 W,  
280 W, 215 W, 220 W, 225 W,  
230 W, 235 W, 240 W, 245 W,  
250 W, 255 W.

Framed modules with system  
voltage 1000VDC:

240 W, 245 W, 250 W, 255 W,  
260 W, 265 W, 270 W, 275 W,  
280 W, 215 W, 220 W, 225 W,  
230 W, 235 W, 240 W, 245 W,  
250 W, 255 W.

Construction:

Frameless or Framed,  
with Junction box,  
Cable and Connectors.

Test Laboratory:

Yangzhou Opto-Electrical  
Products Testing Institute;  
No. 10 West Kaifa Road, Yangzhou,  
225009 Jiangsu, P. R. China

Application Class:

Class A

Maximum System Voltage:

1500 V DC or 1000 V DC

Fire Safety Class:

Class C

**Tested  
according to:**

IEC 61215(ed.2)  
EN 61215:2005  
IEC 61730-1(ed.1);am1;am2  
EN 61730-1:2007/A2:2013  
IEC 61730-2(ed.1);am1  
EN 61730-2:2007/A1:2012

**Production  
Facility(ies):**

78488, 96715, 97824, 97825