

# Certificate

Registration No.: PV 50270736

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Report No.: 15042199.063

**License Holder:**

Changzhou Trina Solar Energy Co., Ltd.  
No.2 Tian He Road, Electronics Park,  
New District,  
Changzhou, Jiangsu 213031,  
P.R. China

**Product:**

PV Modules

**Type:**

Continuation of page 2

With 6" poly c-Si cells:

TSM-xxxPD05, TSM-xxxPD05.05, TSM-xxxPD05.08,  
TSM-xxxPD05.10, TSM-xxxPD05.15, TSM-xxxPD05.18,  
(xxx=215-260, in steps of 5, 60 cells)  
TSM-xxxPD05.002, TSM-xxxPD05.008,  
TSM-xxxPD05.102, TSM-xxxPD05.108  
(xxx=215-260, in steps of 5, 60 cells)  
TSM-xxxPD14 (xxx=260-320, in steps of 5, 72 cells)  
TSM-xxxPD14.002 (xxx=260-320, in steps of 5, 72 cells)  
Continued on page 4

**Manufacturing Plant:**

Changzhou Trina Solar Energy Co., Ltd.  
No.2 Tian He Road, Electronics Park,  
New District,  
Changzhou, Jiangsu 213031,  
P.R. China

**Basis:**

- IEC 61730-1:2004  
IEC 61730-2:2004  
EN 61730-1:2007  
EN 61730-2:2007  
"Photovoltaic (PV) module safety  
qualification"



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- Factory Inspection**  
To document the consistent quality of  
the product, factory inspections are  
performed periodically.

**Remarks:**

- Valid in conjunction with TÜV Rheinland certificate PV 50270713 Page 1 - 3.
- 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 fire test (IEC 61730-2 / MST 23) was performed.
- The above listed PV modules fulfil the requirements of fire rating class C.
- This certificate includes further manufacturing plants as listed on Attachment List of Factories.

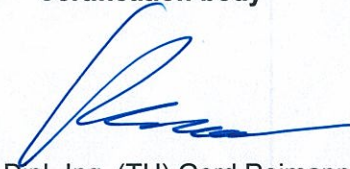
**Conditions:**

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 01 December 2018.**



**Certification body**



Dipl.-Ing. (TU) Gerd Reimann

02 December 2013

# Certificate

Registration No.: PV 50270736

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Report No.: 15042199.109

**License Holder:**

Changzhou Trina Solar Energy Co., Ltd.  
No. 2 Tian He Road  
Electronics Park, New District  
Changzhou, Jiangsu 213031  
P. R. China

**Manufacturing Plant:**

Changzhou Trina Solar Energy Co., Ltd.  
No. 2 Tian He Road  
Electronics Park, New District  
Changzhou, Jiangsu 213031  
P. R. China

**Product:**

PV Modules

**Type:**

Same as Page 1 - 7 and Page 9 -14 & Page 17 - 20

**In addition:**

With 6" poly c-Si cells:

TSM-xxxPC14(II), TSM-xxxPC14.05(II)  
TSM-xxxPC14.08(II), TSM-xxxPC14.10(II)  
TSM-xxxPC14.15(II), TSM-xxxPC14.18(II)  
TSM-xxxPC14.50(II)  
(xxx=300-360, in steps of 5, 72 cells)  
TSM-xxxPD05, TSM-xxxPD05.05  
TSM-xxxPD05.08, TSM-xxxPD05.10  
TSM-xxxPD05.15, TSM-xxxPD05.18  
TSM-xxxPD05.50, TSM-xxxPD05.002  
TSM-xxxPD05.008, TSM-xxxPD05.102  
TSM-xxxPD05.108, TSM-xxxPD05.082  
TSM-xxxPD05.182, TSM-xxxPD05.052  
TSM-xxxPD05.152  
(xxx=265-275, in steps of 5, 60 cells)

**Basis:**

- IEC 61730-1:2004+A1+A2  
IEC 61730-2:2004+A1  
EN 61730-1:2007+A1+A2  
EN 61730-2:2007+A1  
"Photovoltaic (PV) module safety qualification"

- Factory Inspection**  
To document the consistent quality of the product, factory inspections are performed periodically.



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**Remarks:**

- Valid in conjunction with TÜV Rheinland certificate PV 50270713 Page 1 - 7 & Page 9 -14 & Page 17 - 21.
- 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**.
- New model names were introduced as above.
- This certificate includes further manufacturing plants as listed on Attachment List of Factories.

**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 01 December 2018.**



**Certification body**

Dipl.-Ing. (TU) Gerd Reimann

21 September 2015