

# Certificate

Registration No.: PV 50321847

Page 1

Report No.: 15087154.001

**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:

With 6" poly c-Si cells:

TSM-xxxPE14A, TSM-xxxPE14A.08,  
TSM-xxxPE14A.10, TSM-xxxPE14A.18  
(xxx=290-315, in steps of 5, 72 cells)  
TSM-xxxPE05A, TSM-xxxPE05A.08,  
TSM-xxxPE05A.10, TSM-xxxPE05A.18,  
TSM-xxxPE05A.50  
(xxx=240-265, 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.



www.tuv.com  
ID 0000024632

**Remarks:**

- Valid in conjunction with TÜV Rheinland certificate PV 50321845 Page 1.
- 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 **1500 VDC**.
- 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.

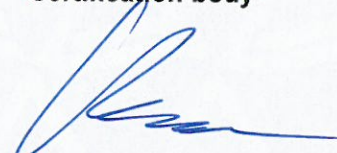
**Conditions:**

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

30 September 2015

# Certificate

Registration No.: PV 50321847

Page 7

Report No.: 15087154.003

**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 - 6

In addition:

With 6" poly c-Si cell

TSM-xxxPE14A, TSM-xxxPE14A.08, TSM-xxxPE14A.10

TSM-xxxPE14A.18 (xxx=320-345, in steps of 5, 72 cells)

TSM-xxxPE05A, TSM-xxxPE05A.08, TSM-xxxPE05A.10

TSM-xxxPE05A.18, TSM-xxxPE05A.50

(xxx=270-290, in steps of 5, 60 cells)

TSM-xxxPE14A(II), TSM-xxxPE14A.08(II),

TSM-xxxPE14A.10(II), TSM-xxxPE14A.18(II)

(xxx=300-360, in steps of 5, 72 cells)

TSM-xxxPE05A(II), TSM-xxxPE05A.08(II)

TSM-xxxPE05A.10(II), TSM-xxxPE05A.18(II)

TSM-xxxPE05A.50(II) (xxx=260-300, in steps of 5, 60 cells)

With 6" mono c-Si cell

TSM-xxxDE14A(II), TSM-xxxDE14A.08(II)

TSM-xxxDE14A.10(II), TSM-xxxDE14A.18(II)

(xxx=280-375, in steps of 5, 72 cells)

TSM-xxxDE05A(II), TSM-xxxDE05A.08(II)

TSM-xxxDE05A.10(II), TSM-xxxDE05A.18(II)

TSM-xxxDE05A.50(II) (xxx=230-315, 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.



www.tuv.com  
ID 0000024632

**Remarks:**

- Valid in conjunction with TÜV Rheinland certificate PV 50321845 Page 1 - 7.
- 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 **1500 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.**

18 March 2016

Certification body

Dipl.-Ing. Dirk Löffler

