

# Certificate

Registration No.: PV 50290244

Page 1

Report No.: 15070731.001

**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:

With 6" poly c-Si cells:

TSM-xxxPEG5 (xxx=230-290, in steps of 5, 60 cells)

TSM-xxxPEG5.50 (xxx=230-290, in steps of 5, 60 cells)

TSM-xxxPEG14 (xxx=280-340, in steps of 5, 72 cells)

**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"

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



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ID 0000039159

**Remarks:**

- Valid in conjunction with TÜV Rheinland certificate PV 50290241 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 fire test (IEC 61730-2 / MST 23) was performed.
- The above listed PV modules fulfil the requirements of fire rating class A.
- 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 27 May 2018.**



**Certification body**



Dipl.-Ing. (TU) Gerd Reimann

11 August 2014



# Certificate

Registration No.: PV 50290244

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Report No.: 15070731.003

**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:

Same as Page 1

In addition:

With 6" poly c-Si cells:

TSM-xxxPEG40 (xxx=160-175, in steps of 5, 40 cells)

**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+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 50290241 Page 1 - 2.
- 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 A**.
- New model names were introduced as above.
- Change  
Test Requirements: IEC 61730-1:2004; IEC 61730-2:2004; EN 61730-1:2007; EN 61730-2:2007  
Changed to: IEC 61730-1:2004+A1+A2; IEC 61730-2:2004+A1; EN 61730-1:2007+A1+A2; EN 61730-2:2007+A1
- 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 27 May 2018.**

**Certification body**

Dipl.-Ing. (TU) Gerd Reimann

11 March 2015



# Certificate

Registration No.: PV 50290244

Page 3

Report No.: 15070731.004

**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 - 2

In addition:

With 6" poly c-Si cells:

TSM-xxxPEG5.40 (xxx=230-290, in steps of 5, 60 cells)

TSM-xxxPEG5.07 (xxx=230-290, in steps of 5, 60 cells)

TSM-xxxPEG5.47 (xxx=230-290, in steps of 5, 60 cells)

TSM-xxxPEG40.40 (xxx=160-175, in steps of 5, 40 cells)

TSM-xxxPEG40.07 (xxx=160-175, in steps of 5, 40 cells)

TSM-xxxPEG40.47 (xxx=160-175, in steps of 5, 40 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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ID 0000039159

**Remarks:**

- Valid in conjunction with TÜV Rheinland certificate PV 50290241 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 **1500 VDC**.
- The above listed PV modules fulfil the requirements of **fire rating class A**.
- 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 27 May 2018.**



**Certification body**



Dipl.-Ing. (TU) Gerd Reimann

19 June 2015

# Certificate

Registration No.: PV 50290244

Page 4

Report No.: 15070731.006

**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:

Same as Page 1 - 3

In addition:

With 6" poly c-Si cells:

TSM-xxxPEG14(II) (xxx=300-360, in steps of 5, 72 cells)

**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+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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ID 0000039159

**Remarks:**

- Valid in conjunction with TÜV Rheinland certificate PV 50290241 Page 1 - 4.
- 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 A**.
- New model names were introduced as above.
- This certificate includes further manufacturing plants as listed on Attachment List of Factories.

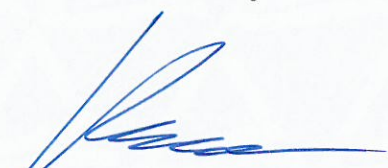
**Conditions:**

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 27 May 2018.**



**Certification body**



Dipl.-Ing. (TU) Gerd Reimann

21 September 2015



# Certificate

Registration No.: PV 50290244

Page 5

Report No.: 15070731.009

**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 Yabang Solar  
Energy Co., Ltd.  
No. 6, Longyu West Road  
Wujin High-Tech Industrial Zone  
Changzhou, Jiangsu Province  
P. R. China

**Product:**

PV Modules

Type:

Same as Page 1 - 4

In addition:

With 6" poly c-Si cell:

TSM-xxxPEG14.07(II) (xxx=300-360, in steps of 5, 72 cells)

TSM-xxxPEG5(II) (xxx=260-300, in steps of 5, 60 cells)

TSM-xxxPEG5(II), TSM-xxxPEG5.07(II), TSM-xxxPEG5.40(II)

TSM-xxxPEG5.47(II), TSM-xxxPEG5.50(II)

(xxx=260-300, in steps of 5, 60 cells)

With 6" mono c-Si cell:

TSM-xxxDEG14(II), TSM-xxxDEG14.07(II)

(xxx=325-375, in steps of 5, 72 cells)

TSM-xxxDEG5(II), TSM-xxxDEG5.07(II), TSM-xxxDEG5.40(II)

TSM-xxxDEG5.47(II), TSM-xxxDEG5.50(II)

(xxx=260-315, in steps of 5, 60 cells)

TSM-xxxDEG40(II), TSM-xxxDEG40.07(II)

TSM-xxxDEG40.40(II), TSM-xxxDEG40.47(II)

TSM-xxxDEG40.50(II) (xxx=180-200, in steps of 5, 40 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 50290241 Page 1 - 5.
- 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 A**.
- Additional manufacturing plant see above.
- 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 27 May 2018.**



Certification body

Dipl.-Ing. (TU) Gerd Reimann

02 March 2016

# Certificate



Registration No.: PV 50290244

Page 6

Report No.: 15070731.011

**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:

Same as Page 1 - 5

In addition:

With 6" poly c-Si cell:

TSM-xxxPEG14.07, TSM-xxxPEG14.40, TSM-xxxPEG14.47  
(xxx=280-340, in steps of 5, 72 cells)

TSM-xxxPEG14.40(II), TSM-xxxPEG14.47(II)

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

With 6" mono c-Si cell:

TSM-xxxDEG14.40(II), TSM-xxxDEG14.47(II)

(xxx=325-375, in steps of 5, 72 cells)

**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+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 50290241 Page 1 - 6.
- 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 A**.
- 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 27 May 2018.**

Certification body

Löffler

Dipl.-Ing. D. Löffler



02 June 2016