

Certificate

Registration No.: PV 50206992

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Report No.: 15032945.013

License Holder:

Sun Earth Solar Power Co., Ltd
No. 211 Xingguang Road
Hi-Tech Industrial Development Zone
Ningbo, Zhejiang 315040
P.R. China

Manufacturing Plant:

Sun Earth Solar Power Co., Ltd
No. 211 Xingguang Road
Hi-Tech Industrial Development Zone
Ningbo, Zhejiang 315040
P.R. China

Product:

PV Module

Type:

With 72 cells of 6" poly c-Si:
TPB156X156-72-P ***W, (***=235-290 in increment of 5);
With 72 cells of 5" mono c-Si:
TDB125X125-72-P ***W, (***=155-200 in increment of 5);
With 72 cells of 5" poly c-Si:
TPB125X125-72-P ***W, (***=150-190 in increment of 5);
With 60 cells of 6" poly c-Si:
TPB156X156-60-P ***W, (***=200-240 in increment of 5);
With 54 cells of 6" poly c-Si:
TPB156X156-54-P ***W, (***=180-215 in increment of 5);
With 36 cells of 5" mono c-Si:
TDB125X125-36-P ***W, (***=75-100 in increment of 5);
With 36 cells of 5" poly c-Si:
TPB125X125-36-P ***W, (***=75-95 in increment of 5)

Basis:



IEC 61215:2005

EN 61215:2005

"Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval"



Factory Inspection

To document the consistent quality of the product factory inspections are performed periodically.



- Qualified, IEC 61215
- Periodic inspection

Remarks:

The details of the factory inspection are documented in report no. 15035862.002.
This certificate replaces certificate no. 60027775 with all its subpages.

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 19 November 2014.

Shanghai, 11 July 2011

Certification body



Dipl.-Ing. Bernd Scheirer

TÜV Rheinland LGA Products GmbH, Tillystrasse 2, D-90431 Nürnberg
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Certificate

Registration No.: PV 50206995

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Report No.: 15032945.014

License Holder:

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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.



- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic inspection

Remarks:

- IEC EN 61730 consists of part 1 (Requirements for construction) and part 2 (Requirements for testing).
- The above listed PV modules fulfil the requirements of Application Class A (Safety Class II). 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 not performed.
- The details of the factory inspection are documented in report no. 15035862.002.
- This certificate replaces certificate no. 60028022 with all its subpages.

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 19 November 2014.

Shanghai, 11 July 2011

Certification body



Dipl.-Ing. Bernd Scheirer