

# Factory Inspection Certificate

Registration No.: AK 60040438

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Report No.: 21172776.002

**License Holder:**

**Sunways AG**

Macairestr. 3-5  
78467 Konstanz  
Germany

**Product:**

**PV Module**

Type:

SM 240U

(power range 215 - 260 in steps of 5 Wp)

SM 245M

(power range 215 - 270 in steps of 5 Wp)

**Manufacturing Plant:**

LDK SOLAR HI-TECH (Nanchang) Co., Ltd.  
No. 189, Dongyuan Road  
Hi-Tech Industrial Development Zone  
330096 Nanchang City, Jiangxi Province  
P.R. China

The manufacturing plant is under a periodic factory surveillance programme in the frame of TÜV Rheinland type approval certification according to IEC 61215:2005 and IEC 61730:2004.

These main production steps are taking place in the above listed plant(s):

- Cell stringing and connection of strings
- Assembly / Lamination
- Electrical tests

The following component is produced in the European Union:

- solar cell

Remarks:

Further information can be found in the attachment of the factory inspection certificate.  
Extension of module power range.

Cologne, 09 March 2012

Certification body



Dipl.-Ing. M. Adrian



## Annex of Factory Inspection Certificate [rev. 1]

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Macairestr. 3-5  
78467 Konstanz  
Germany

### Manufacturing Plant

**PV modules:** LDK SOLAR HI-TECH (Nanchang) Co., Ltd.  
No. 189, Dongyuan Road  
Hi-Tech Industrial Development Zone  
330096 Nanchang City, Jiangxi Province  
P.R. China

The details of the factory inspection are documented in report no. mentioned above.

**Certificates:** Registration no.  
PV 60035646, PV 60035647 (valid until 21 November 2015)

The above listed plant is listed on the type labels by reference to an identification code.

### Explanation of PV module Identification code:

Example serial number : **N64DM11517200140**

1. Digit: **N** = LDK module factory plant Nanchang, China.
2. Digit: **6** = Sunways factory line only with Sunways Solar cells
3. Digit: **4** = module version series (1-9, A-Z)
4. Digit: module type (**D**=mono/**P**=multi)
5. Digit: **M** = mass production
6. Digit: **11** = year of production
7. Digit: see digit 6
8. Digit: **5** = month of production (1-9 = Jan- Sep/ A=Oct/B=Nov/C=Dec)
9. Digit: **172** = job number
10. Digit: see digit 9
11. Digit: see digit 9.
12. Digit: **00140** = running number starting from no. 00001
13. / 14./ 15. / 16. Digit: see digit 12

### Manufacturing Plant

**Solar Cell:** Sunways Production GmbH  
(EU/EEA component) August-Broemel-Straße 8  
99310 Arnstadt  
Germany

The details of the factory inspection are documented in report no. 21172757.001.

Indication of annual volumes exchanged between production site of components and the production site of the modules:

[A] EU/EEA component:  
Manufacturing Plant **Cell**:  
**Sunways Production GmbH**

Volumes exchanged from [A] to [B]: 12.931.773 Solar Cells (Multi) pcs/a. (approx. 54,3 MWp)  
2.680.843 Solar Cells (Mono) pcs/a.(approx. 12,0 MWp)

[B] Manufacturing Plant **PV modules**  
LDK SOLAR HI-TECH (Nanchang) Co.,Ltd.

Annual production capacity: 250 MWp/a

EU/EEA Volumes produced at [B]: 213.065 Solar Modules (Multi) pcs/a. (approx. 53,3 MWp)  
43.000 Solar Modules (Mono) pcs/a (approx. 11,2 MWp)

Indication if non-EU/EEA component is applied: NO

The annual volumes exchanged between production site of components and modules have been checked by the help of delivery notes, invoices and/or delivery confirmations provided by the before listed EU/EEA content manufacturer, wafer/cell and module manufacturer.

Cologne, 09 March 2012



Dipl.-Ing. M. Adrian