

# Certificate

Registration No.: PV 60035647

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Report No.: 21161029.001

**License Holder:**

**Sunways AG**

Macairestr. 3-5  
78467 Konstanz  
Germany

**Product:**

**PV Module**

**Type:**

SM 240U

(power range 215 – 250 in increments of 5 Wp)

SM 245M

(power range 215 – 255 in increments 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

**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
- Heavy Snow Load tested
- 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 above listed PV modules fulfil the requirements of **fire rating class C**.
- The details of the factory inspection are documented in report 16800229.001.
- The mechanical load test of EN IEC 61215:2005 was performed with a load of 5400 Pa.

**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 21 November 2015.**



Cologne, 22 November 2010

Dipl.-Ing. M. Adrian