

# Certificate

Registration No.: Q 60019045

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Report No.: 21206193

**License Holder:**

Wuxi Shangpin Solar Energy Science & Technology Co., Ltd.  
No. 8, Luozhou Road, Qianzhou Town  
Wuxi 214181, Jiangsu  
China

**Product:**

PV Modules  
Type: SPSM-145D, SPSM-150D  
SPSM-155D, SPSM-160D  
SPSM-165D, SPSM-170D  
SPSM-175D

**Manufacturing Plant:**

Wuxi Shangpin Solar Energy Science & Technology Co., Ltd.  
No. 8, Luozhou Road, Qianzhou Town  
Wuxi 214181, Jiangsu  
China

**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
- Safety tested, TUV-Spec 931/2.572.9
- Periodic Inspection

**Remarks:**

The details of the factory inspection are noted in report no.: 153052768.

**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 has a validity of 5 years counting from date of issue.**



Cologne, 16 August 2007

Dr. F. Gossen

# Certificate

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Report No.: 21206263

**License Holder:**

Wuxi Shangpin Solar Energy Science & Technology Co., Ltd.  
No. 8, Luozhou Road, Qianzhou Town  
Wuxi 214181, Jiangsu  
China

**Product:**

PV Modules

Type: SPSM-145D, SPSM-150D  
SPSM-155D, SPSM-160D  
SPSM-165D, SPSM-170D  
SPSM-175D

**Manufacturing Plant:**

Wuxi Shangpin Solar Energy Science & Technology Co., Ltd.  
No. 8, Luozhou Road, Qianzhou Town  
Wuxi 214181, Jiangsu  
China

**Basis:**

TÜV Spec TZE/2.572.09  
"Safety Class II Test on  
Photovoltaic (PV) Modules"

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



- Qualified, IEC 61215
- Safety tested,  
TUV-Spec 931/2.572.9
- Periodic Inspection

**Remarks:**

The above mentioned PV module may be used in PV plants at a maximum system voltage (Voc at STC) of up to **715 VDC**. The modules consist of glass / EVA / cells / EVA / PVF-PET-PVF Icosolar 2442 0.17 mm foil, junction box ZJRH PV-RH 0501, cable ZJRH 4mm<sup>2</sup>, connectors ZJRH 05-1 and aluminium frame. The module types which are listed above differ in: electrical rating and cell efficiency (72 mono silicon solar cells 125 mm x 125 mm).


**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 only valid in conjunction with proof of the suitability of the modules in accordance with IEC 61215 (or similar procedure).

**The certificate has a validity of 5 years counting from the date of issue, provided that the testing basis remains unchanged.**

Cologne, 17 August 2007

Renewable Energies



Dipl.-Ing. W. Vaßen