

# Certificate

Registration No.: PV 60029188

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Report No.: 15034416.001

**License Holder:**  
**Perfectenergy (Shanghai) Co., Ltd.**

479 Youdong Road  
Xinzhuang Town, Minhang District  
Shanghai 201100  
P.R. China

**Product:**  
PV Module  
Type:

PEM-230/210-60P, PEM-230/220-60P,  
PEM-230/230-60P  
with 60 cells 6" poly c-Si

PEM-230/220-96M, PEM-230/230-96M,  
PEM-230/240-96M  
with 96 cells 5" mono c-Si

SPM-160/170-72M, SPM-160/175-72M,  
SPM-160/180-72M  
with 72 cells 5" mono c-Si

**Manufacturing Plant:**

Perfectenergy (Shanghai) Co., Ltd.  
479 Youdong Road  
Xinzhuang Town, Minhang District  
Shanghai 201100  
P.R. China

**Basis:**

**IEC 61215:2005**  
**EN 61215:2005**  
"Crystalline silicon terrestrial  
photovoltaic (PV) modules - Design  
qualification and type approval"



- Qualified, IEC 61215
- Periodic Inspection

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

**Remarks:**

The details of the factory inspection are documented in report no. 15034428.001.

**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, 5 March 2010

Dipl.-Ing. M. Adrian