

# CERTIFICATE

The company

**Jiangsu Sunrain  
solar energy co., ltd**  
Ning hai industrial zone  
LIANYUNGANG, JIANGSU  
PEOPLE'S REPUBLIC OF CHINA

with its production site in

**Lianyungang, Jiangsu**

hereby receives the confirmation that the product/s

**Solar collectors**

of the type

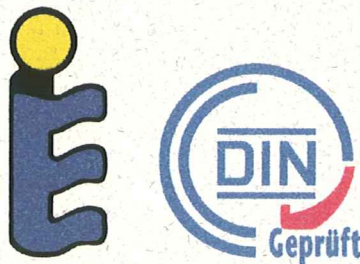
**TZ 58/1800-10R, -12R, -14R, -15R, -16R, -18R,  
-20R, -24R, -25R, -28R, -30R**

conforms to

**DIN EN 12975-1:2006-06  
DIN EN 12975-2:2006-06**

**Specific CEN KEYMARK Scheme Rules for Solar Thermal Products**

and is granted the licence to use the marks



in conjunction with the Registration No. below.

**Registration No.: 011-7S164 R**



**This certificate remains valid as long as the required surveillance conditions will be passed with a positive result for the assessment.**

DAP-ZE-2460.00

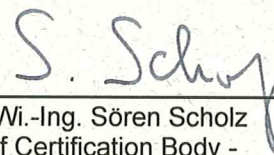
See annex for further information.

DIN CERTCO Gesellschaft für  
Konformitätsbewertung mbH  
Alboinstraße 56, 12103 Berlin



2007-03-28

Dipl.-Ing. Dipl.-Wi.-Ing. Sören Scholz  
- Acting Head of Certification Body -



## **Annex**

to the Certificate with Registration No. 011-7S164 R, dated 2007-03-28

### **Technical data**

See data sheet, part of the test report of 2007-03-23

Note(s):

- The freeze resistance test according to DIN EN 12975-2, clause 5.8 was not necessary. According to the manufacturer's declaration, the certified solar collectors may be used in frost exposed areas only in combination with appropriate frost protection mixtures.
- The mechanical load test according to DIN EN 12975-2, clause 5.9 is not applicable for tube collectors.
- The optional impact resistance test according to DIN EN 12975-2, clause 5.10 was not carried out.

### **Testing laboratory / Inspection body**

Fraunhofer Institut für  
Solare Energiesysteme (ISE)  
Therm. Anlagen u. Komponenten  
Heidenhofstr. 2  
79110 Freiburg

### **Test report(s)**

KTB No. 2007-07-en dated 2007-03-27

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