

# CERTIFICATE

The company

**Astersa**  
**Aplicaciones Solares S/A**  
Pol. de la Vega de arriba 36  
33306 MIERES - ASTURIAS  
SPAIN

with the production site in

**Mieres - Asturias**

hereby receives the confirmation that the product/s

**Thermal solar systems**

of the type

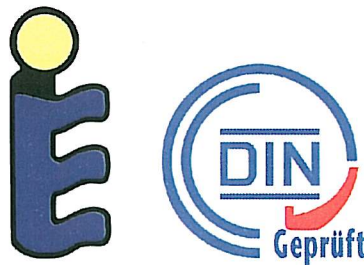
**AS120HPE, AS150HPE, AS200HPE, AS300HPE**

conforms to

**DIN EN 12976-1:2006-04**  
**DIN EN 12976-2:2006-04**

**Specific CEN KEYMARK Scheme Rules for Solar Thermal Products version 11.04 (Edition: 2009-12)**

and is granted the licence to use the marks



in conjunction with the Registration No. below.

**Registration No.: 011-7S1782 A**

**This Certificate is valid until 2016-11-30.**



Deutsche  
Akkreditierungsstelle  
D-ZE-11125-01-00

See annex for further information.

DIN CERTCO Gesellschaft für  
Konformitätsbewertung mbH  
Alboinstraße 56, 12103 Berlin



2011-11-30

Dipl.-Ing. (FH) Dipl.-Wi.-Ing. Sören Scholz  
- Head of Certification Body -

*S. Scholz*

## Annex

to the Certificate with Registration No. 011-7S1782 A, dated 2011-11-30

### Technical data

see data sheet, part of the test report of JJJJ-MM-TT

#### 1. System variant(s) :

Designation	Tank	Collector (Registration No.: 011-7S1413 F)
AS120HPE	115 l	1 ECO18
AS150HPE	145 l	1 ECO18
AS200HPE	192 l	1 ECO20M
AS300HPE	280 l	2 ECO18

#### 2. Note(s) :

- The freeze resistance test for the solar collector 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 optional impact resistance test for the solar collector according to DIN EN 12975-2, clause 5.10 was not carried out.
- The proof of lightning protection according to DIN EN 12976-2, clause 5.5 was not subject to the test and shall be furnished separately.

### Testing laboratory / Inspection body

FUNDACION CENER - CIEMAT  
Bioclimatic  
Architecture Department  
Ciudad de la Innovación 7  
31621 SARRIGUREN/NAVARRA  
SPANIEN

### Test report(s)

No. 30.1696.0-1 Anexo 4, No. 30.1696.0-1 Technical Appendix,  
No. 30.1696.1-1 Anexo 4 dated 2011-11-11