

Confirmation of Certificate (for Clients)

Type of Certificate:	GS	√	S		CE		Bauart		Annex IV		ETL ^{EU}	
Others			GS CDF Modification only				GS cert. No. on the CDF					
New Certificate (max validity)	yes	√	no		Replacement for existing GS cert. No				13SHN1379-01			
OEM to original cert. No.					Replacement for existing S cert. No							
Manufacturer as code only	yes		no	√	Existing cert. validity			old		max	√	
Mandated Reviewer	Will Wang											
Technical Certifier	Robin Xu											

1. Reference and Address

Certificate holder	Kangtai Electric Co., Ltd.	Address ID	12442
Street	No.5, Kangtai Road, Huanghua Industrial District,		
City	Yueqing, Zhejiang,		
Country	P.R.China		
Manufacturing site	Kangtai Electric Co., Ltd.	Address ID	12442
Street	No.5, Kangtai Road, Huanghua Industrial District,		
City	Yueqing, Zhejiang,		
Country	P.R.China		


2. Product description

Produkt (German)		Product Code	7002P
Product (English)	Direct plug-in power meter		
Brand name(s) (only text, no symbols)	Kangtai (logo)		
Type	56003, 56004, 56005, 56006		
Description	230VAC, 50Hz, 3000W, 13A max, CAT II, Standby 1,5W		
Test report no. : issue date	130400205SHA-001: 2013-07-10 130400205SHA-001 Amendment1: 2015-03-05 130600884SHA-001: 2013-07-09 130600884SHA-001 Amendment1: 2015-03-02		
Standards	EN 61010-1:2010 DIN VDE 0620-2-1: 2013 in conjunction with DIN VDE 0620-1: 2013 EK1 510-11: 2011 PAH requirement AfPS GS 2014:01 PAK		
Local project No.	130400205SHA		

Modification Summary, the following changes have been made:

Date	Local Project no.	Description of Change
2015-03-05	150100748SHA	<ol style="list-style-type: none"> Update applicant, manufacturer and factory name from Zhejiang Kangtai Electric Co., Ltd. to Kangtai Electric Co., Ltd. Adjust soldering pad L and N on the PCB and connecting plate between them is replaced by resistor R01. Delete Varistor (RV1) on the PCB.

SIGNATURE

Place	Name and Signature	Date
yueqing		2015-4-23

4. Product Information

4.1 General product information

Products covered by this report are direct plug-in power meters.

All of the four models are with same constructions except different enclosure shape.

The products are intended to operate at altitudes up to 2000m.

4.2 Copy of marking plate




When the equipment is vended to Germany, then name and address of the importer or authorized representative within the EEA shall be added on the equipment.

4.3 Product Pictures



SIGNATURE

Place	Name and Signature	Date
<u>yueqing</u>		<u>2015-4-23</u>

5. List of Critical Components

Object / part No.	Manufacturer/ trademark ²⁾	Type / model ²⁾	Technical data	Standard	Mark(s) of conformity ¹⁾
Enclosure	NINGBO TAIYONG ENGINEERING PLASTICS CO., LTD	ABS TY15A1FR (UL E252828)	V-0, thickness: 1,6 mm min	EN 61010-1	Tested with appliance
Face of LCD display	NINGBO TAIYONG ENGINEERING PLASTICS CO., LTD	ABS TY15A1FR (UL E252828)	V-0, thickness: 1,6 mm min	EN 61010-1	Tested with appliance
PCB	INTERNATIONAL LAMINATE MATERIAL LTD	DL-C3 (UL E134893)	V-0, 130°C, thickness: 1,6 mm min.	EN 61010-1	Tested with appliance
Alt. use	GUANGZHOU ZENGCHENG JIN PENG ELECTRONICS FACTORY	2D (UL E248992)	V-0, 130°C, thickness: 1,6 mm min.	EN 61010-1	Tested with appliance
Internal wire	YUEQING BOYUAN ELECTRONIC WIRE & CABLE CO LTD	1015 (UL E203561)	105°C, 600V 14AWG, VW-1	EN 61010-1	Tested with appliance
Alt. use	FOSHAN CITY SHUNDE JIN SHENG LONG ELE APPL CO LTD	1015 (UL E245714)	105°C, 600V 14AWG, VW-1	EN 61010-1	Tested with appliance
X capacitor	Dain Electronics Co., Ltd.	MPX	X2, 0,33µF 275VAC 40/110/21	IEC 60384-14	VDE 40018798
Alt. use	Jimson Electronics (Xiamen) Co., Ltd.	MKP	X2, 0,33µF 275VAC 40/100/21	IEC 60384-14	VDE 40000463
Alt. use	Changzhou Dejie Optoelectronics Technology Co., Ltd.	MPX/MKP	X2, 0,33µF 275VAC 40/100/21	EN 60384-14	TUV R/h R 50297652
Intermediate adaptor (plug & socket)	Kangtai Electric Co., Ltd.	6899MS	AC250V, 16A	DIN VDE 0620-2-1: 2013 in conjunction with DIN VDE 0620-1: 2013 EK1 510-11: 2011	130600884SHA-001& Amendmet 1 Tested with appliance

¹⁾ An asterisk indicates a mark which assures the agreed level of surveillance.

6. Condition and Declarations

We hereby apply to INTERTEK for certification of above described product. We have read and understood the information contained in this document and certify that all statements made and information given in this application are true to the best of our knowledge and belief.

We hereby confirm that DMF (Dimethylfumarate) has not been used in the products and the production process.

We hereby declare that we will follow all marking requirements described in ProdSG § 6 for the GS mark certified product.


We declare that the above described product complies with the essential requirements of Council Directive 2009/125/EC establishing a framework for the setting of ecodesign requirements for energy related products.

We hereby confirm that the insulation class of the relevant critical components listed in table 5 "List of critical components" is correct.

We understand that the Certification Body has to accept all changes of the product in written statement, before any implementation into production. Components listed in table 5 "List of critical components" are not allowed to be changed without written confirmation of Certification Body.

The conditions of the Intertek certification agreement for S marking and/or general business conditions for Intertek's GS marking and/or Bauart Geprüft and/or other Intertek's certification marks are accepted by this signature of the Applicant or his Representative.

SIGNATURE

Place	Name and Signature	Date
yueqing		2015-4-23