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ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ CERTIFICADO ◆ CERTIFICAT



Product Service

Attestation of Conformity

No. T8A 101050 0008 Rev. 00

Holder of Certificate: **KEHUA FRANCE SAS**
3 Place Général de Gaulle
13001 Marseille
FRANCE

Product: **Converter**
(Energy Storage Inverter)

This Attestation of Conformity is issued on a voluntary basis in support of the Conformity Assessment Module A of Radio Equipment Directive 2014/53/EU. On the basis of the referenced test reports, the samples of the listed product were found to comply with the essential requirements of the above mentioned directive as implemented in the standards used valid at the time the tests were carried out. For the requirements of the Article(s) 3(2) and 3(3) only harmonized standards valid at the moment of issuing where used. The used standards completely cover all essential requirements of the Radio Equipment Directive applicable to this product. The manufacturer must ensure compliance of the manufactured products with the technical documentation and other requirements of the Radio Equipment Directive that apply to them. National legal requirements have to be considered before bringing the product to the market. See also notes overleaf.

Test report no.: 64972170522801A

Date, 2018-09-18 (Laurentiu Dan Miiler)

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After preparation of the necessary documentation and establishing compliance to requirements of all applicable directives the manufacturer may sign a Declaration of Conformity and apply the CE-marking.



Product Service

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Model(s): KF-SPH3600-BL, KF-SPH5000-BL

Parameters:

Protection Class: I
 Test report No.:
 64.972.17.05228.01AR-RF
 (EN 300 328 V2.1.1:2016, EN 62311:2008)
 64.972.17.05228.01AE-EMC
 (Draft EN 301 489-1 V2.2.0:2017,
 Draft EN 301 489-17 V3.2.0:2017,
 EN 61000-6-1:2007, EN 61000-6-3:2007/A1:2011)
 64.290.17.05227.01A-LVD
 (EN EN 62109-1:2010, EN 62109-2:2011)

Model	KF-SPH3600-BL	KF-SPH5000-BL
PV input rating		
Max. input power	4000 W	5500 W
Rated input voltage	360 Vd.c.	360 Vd.c.
Max. input voltage	600 Vd.c.	600 Vd.c.
MPPT voltage range	125 - 550 Vd.c.	125 - 550 Vd.c.
MPPT voltage range (full load)	250 - 450 Vd.c.	250 - 450 Vd.c.
Max. input current	2 x 11.0 Ad.c.	2 x 11.0 Ad.c.
PV short circuit current	2 x 13.8 Ad.c.	2 x 13.8 Ad.c.
Battery input/output rating		
Battery type	Lithium / Lead-acid	Lithium / Lead-acid
Rated voltage	48 Vd.c.	48 Vd.c.
Battery voltage range	42 ~ 58 Vd.c.	42 ~ 58 Vd.c.
Max. charging power	2500 W	2500 W
Max. charging current	50 Ad.c.	50 Ad.c.
Max. discharging power	2500 W	2500 W
Max. discharging current	60 Ad.c.	60 Ad.c.
Grid input rating		
Rated input voltage	230 Va.c.	230 Va.c.
Rated grid frequency	50 Hz	50 Hz
Max. input power	2500 W	2500 W
Rated input current	10.9 Aa.c.	10.9 Aa.c.
Max. input current	12.5 Aa.c.	12.5 Aa.c.
Grid output rating		
Rated output apparent power	3600 VA	5000 VA
Rated output voltage	230 Va.c.	230 Va.c.
Rated output current	15.7 Aa.c.	21.7Aa.c.
Max. output current	16.4 Aa.c.	22.7 Aa.c.
Rated output frequency	50 Hz	50 Hz
Power factor	0.8 leading - 0.8 lagging	0.8 leading - 0.8 lagging
Back up output rating		
Rated output apparent power	3500 VA	3500 VA
Rated output active power	2500 W	2500 W

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Rated output voltage	230 Va.c.	230 Va.c.
Rated output current	10.9 Aa.c.	10.9 Aa.c.
Max. output current	15.9 Aa.c.	15.9 Aa.c.
Rated output frequency	50 Hz	50 Hz
General data		
Ingress protection rating	IP65	IP65
Ambient temperature range	-25°C~60°C	-25°C~60°C
Protect class	I	I

Tested according to:

- Draft EN 301 489-1 V2.2.0:2017
- Draft EN 301 489-17 V3.2.0:2017
- EN 300 328 V2.1.1:2016
- EN 61000-6-1:2007
- EN 61000-6-3:2007/A1:2011
- EN 62109-1:2010
- EN 62109-2:2011
- EN 62311:2008

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TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany