



Product Service

Attestation of Conformity

No. N8A 102650 0006 Rev. 00

Holder of Certificate: **Shanghai Sermatec Energy Technology Co.,Ltd.**

Room 601-602, Block A, No.399, ZhongRen Road
JiaDing District
201802 Shanghai
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter
(Hybrid inverter)**

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. See also notes overleaf.

Test report no.: 64290193026301

Date, 2019-06-14

(Billy Qiu)

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After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.

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Model(s): **SMT-5K-TL-LV**

Parameters:

Model	SMT-5K-TL-LV
PV terminal	
Vmax PV	580 Vd.c.
MPPT Voltage Range	125~550 Vd.c.
Maximum continuous PV input current	11/11 Ad.c.
Isc PV	14/14 Ad.c.
Maximum continuous PV input power	6000 W
Battery terminal parameter	
Battery type	Li-ion
Voltage range	40-58 Vd.c.
Rated voltage	48 Vd.c.
Maximum charge/discharge current	70/100 Ad.c.
Maximum charge/discharge power	4200/4600 W
Grid terminal parameter	
Rated voltage	230 Va.c.
Rated frequency	50 Hz
Rated input Current	21.7 Aa.c.
Maximum continuous input current	22.7 Aa.c.
Maximum continuous input power	5000 W
Rated output Current	21.7 Aa.c.
Maximum continuous output current	22.7 Aa.c.
Power factor (Cos phi), adjustable	0.8leading~0.8lagging
Maximum continuous output power	5000 W
Backup load terminal parameter	
Rated voltage	230 Va.c.
Rated frequency	50 Hz
Rated output Current	21.7 Aa.c.
Maximum continuous output current	22.8 Aa.c.

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Rated frequency	50 Hz
Maximum continuous output power	4600 W
General parameter	
Operating Temperature	-25°C to +60°C
Protective class	Class I
Overvoltage Category	II(DC side), III(AC side)
Ingress protection	IP65

**Tested
according to:**

EN 62109-1:2010
EN 62109-2:2011

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