

Compliance Document

No. D 102650 0015 Rev. 00

Holder of Certificate: **Shanghai Sermatec Energy Technology Co.,Ltd.**
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PEOPLE'S REPUBLIC OF CHINA

Product: **Converter
(Hybrid inverter)**

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290203008801

Date, 2020-07-20



(Billy Qiu)

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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	125~550Vd.c.
Max. continuous PV input current	11/11 Ad.c.
Isc PV	14/14 Ad.c.
Max. continuous PV input power	6000W
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	5000W
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.
Maximum continuous output power	4600W
General parameter	
Protective class	Class I
Overvoltage category	II(DC side), III(AC side)

**Tested
according to:**

IEC 61727:2004
IEC 62116:2014