



Product Service

# Compliance Document

No. D 102650 0007 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 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. See also notes overleaf.

**Test report no.:** 64290190142601

**Date,** 2019-06-25

  
( Billy Qiu )



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

## Parameters:

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	20 Aa.c.
Maximum continuous input current	20.9 Aa.c.
Maximum continuous input power	4600 W
Rated output current	20 Aa.c.
Maximum continuous output current	20.9 Aa.c.
Power factor (Cos phi), adjustable	0.8leading~0.8lagging
Maximum continuous output power	4600 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.
Maximum continuous output power	4600W



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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:**

NRS 097-2-1:2017

TÜV SÜD  
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