



Product Service

Compliance Document

No. D 102650 0011 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.: 64290190142501

Date, 2020-04-16


(Billy Qiu)

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Model(s): **SMT-5K-TL-LV**
Inverter with integrated NS protection and interface switch

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	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
Max. active output power PEmax	4587W
Max. apparent output power SEMax	4589VA
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	
Operating temperature	-25°C to +60°C, derating above 45 °C
Protective class	Class I
Overvoltage category	II(DC side), III(AC side)
Ingress protection	IP65
Altitude	≤2000m

Tested
according to:

VDE-AR-N 4105:2018