

# Compliance Document

No. D 102650 0034 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. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290223131601

**Date,** 2023-03-23



( Billy Qiu )

# Compliance Document

No. D 102650 0034 Rev. 00

**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.
Max. continuous PV input current	13/13 Ad.c.
Isc PV	14/14 Ad.c.
Max. 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	0.8inductive(under-excited)-0.8capacitive(over-excited)
Registered capacity output active power	5000 W

**Tested according to:** G99/1-6:2020