



Product Service

Compliance Document

No. D 102650 0014 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.: 64290193048301

Date, 2020-07-08

(Billy Qiu)

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Model(s): SMT-10K-TL-TH

Parameters:

Model	SMT-10K-TL-TH
PV input rating	
Rated input voltage	720Vd.c.
Max. input voltage	1000Vd.c.
MPPT voltage range	330-800Vd.c.
MPPT voltage range (full load)	550-800Vd.c.
Max. input current	2*11Ad.c.
PV short circuit current	2*14Ad.c.
Battery input/output rating	
Battery type	Lithium battery
Rated voltage	500Vd.c.
Battery voltage range	200V~800Vd.c.
Max. charging power	10kW
Max. charging current	25Ad.c.
Max. discharging power	10kW
Max. discharging current	25Ad.c.
Grid input rating	
Rated input voltage	3/N/PE, 400/230Va.c.
Rated grid frequency	50 Hz
Max. input power	10kW
Rated input current	14.5Aa.c.
Grid output rating	
Rated output apparent power	10kW
Rated output voltage	3/N/PE, 400/230Va.c.
Rated output current	14.5Aa.c.
Rated output frequency	50 Hz
Power factor	0.8 leading ~ 0.8 lagging
Load output rating	
Rated output apparent power	10kW
Rated output active power	10kW
Rated output voltage	3/N/PE, 400/230Va.c.
Rated output current	14.5Aa.c.
Rated output frequency	50 Hz

Tested according to:

EN 50549-1:2019 (with Czech national deviation according to PPDS:2018)