ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

CERTIFICATE

No. Z2 102650 0005 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

Certification Mark:

Product: **Converter (Hybrid inverter)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 64290193026301

Valid until: 2024-06-13

Date, 2019-06-14 (Billy Qiu)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

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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	125~550 Vd.c.
Maximum continuous PV input current	11/11 Ad.c.
Isc PV	14/14 Ad.c.
Maximum 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	0.8leading~0.8lagging
Maximum continuous output power	5000 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.
Rated frequency	50 Hz
Maximum continuous output power	4600 W

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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:

IEC 62109-1(ed.1)
EN 62109-1:2010
IEC 62109-2(ed.1)
EN 62109-2:2011

Production Facility(ies):

103011

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