



Product Service

CERTIFICATE

No. Z2 001965 0007 Rev. 03

Holder of Certificate: **Shenzhen Senergy Technology Co., Ltd.**

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Co-talent Creative Park
No.2, LiuXian Road, Block 68, Xin'an Street
Bao'an District
518101 Shenzhen
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product:

**Converter
(PV grid-interactive 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. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290180422404

Valid until: 2026-04-27

Date, 2021-04-28

(Billy Qiu)

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Model(s): SE 1KTL-S1, SE 1K5TL-S1, SE 2KTL-S1, SE 2K5TL-S1, SE 3KTL-S1, PV-3000S-V, PV-3600S-V, SE 3K6TL-S1, SE 3KTL-D1, SE 3K6TL-D1, SE 4KTL-D1, SE 4K6TL-D1, SE 5KTL-D1, PV-5000S-V, SE 6KTL-D1

Parameters:

Model:	SE 1KTL-S1	SE 1K5TL-S1	SE 2KTL-S1	SE 2K5TL-S1
Maximum rated d.c. input voltage	600 Vd.c.	600Vd.c.	600 Vd.c.	600 Vd.c.
PV input MPPT operating voltage range	70 ~ 580 Vd.c.	70-580Vd.c.	70 ~ 580 Vd.c.	70 ~ 580 Vd.c.
Maximum operating PV input current	13 Ad.c.	13Ad.c.	13 Ad.c.	13 Ad.c.
Maximum total PV array s-c current	15 Ad.c.	15Ad.c.	15 Ad.c.	15 Ad.c.
a.c. output voltage range	230 Va.c.	220/230Va.c.	230 Va.c.	230 Va.c.
Nominal a.c. output frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Maximum continuous a.c. output current	4,8 Aa.c.	7,2 Aa.c	9,5 Aa.c.	11,9 Aa.c..
Nominal output active power P _n	1 kW	1.5kW	2 kW	2.5 kW
Power factor	0,8 ind. ~ 0,8 cap.	0,8 ind. ~0,8 cap.	0,8 ind. ~ 0,8 cap.	0,8 ind. ~ 0,8 cap.
Temperature range	-25~+60°C	-25~+60°C	-25~+60°C	-25~+60°C
Degree of protection	IP 65	IP 65	IP 65	IP 65
Protection class	I	I	I	I

Model:	SE 3KTL-S1	PV-3000S-V	SE 3K6TL-S1	PV-3600S-V
Maximum rated d.c. input voltage	600 Vd.c.	600Vd.c.	600 Vd.c.	600Vd.c.
PV input MPPT operating voltage range	70 ~ 580 Vd.c.	70-580Vd.c.	70 ~ 580 Vd.c.	70-580Vd.c.
Maximum operating PV input current	13 Ad.c.	13Ad.c.	13 Ad.c.	13Ad.c.
Maximum total PV array s-c current	15 Ad.c.	15Ad.c.	15 Ad.c.	15Ad.c.
a.c. output voltage range	230 Va.c.	220/230Va.c.	230 Va.c.	220/230Va.c.
Nominal a.c. output frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Maximum continuous a.c. output current	14,3 Aa.c..	14,3Aa.c.	17,2 Aa.c.	17,2Aa.c.
Nominal output active power P _n	3 kW	3kW	3.6 kW	3.6kW
Power factor	0,8 ind. ~ 0,8 cap.	0,8 ind. ~0,8 cap.	0,8 ind. ~ 0,8 cap.	0,8 ind. ~0,8 cap.
Temperature range	-25~+60°C	-25~+60°C	-25~+60°C	-25~+60°C
Degree of protection	IP 65	IP 65	IP 65	IP 65
Protection class	I	I	I	I

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Model:	SE 3KTL-D1	SE 3K6TL-D1	SE 4KTL-D1	SE 4K6TL-D1
Maximum rated d.c. input voltage	600 Vd.c.	600 Vd.c.	600 Vd.c.	600 Vd.c.
PV input MPPT operating voltage range	70 ~ 580 Vd.c.	70 ~ 580 Vd.c.	70 ~ 580 Vd.c.	70 ~ 580 Vd.c.
Maximum operating PV input current	13 × 2 Ad.c.	13 × 2 Ad.c.	13 × 2 Ad.c.	13 × 2 Ad.c.
Maximum total PV array s-c current	15 × 2 Ad.c.	15 × 2 Ad.c.	15 × 2 Ad.c.	15 × 2 Ad.c.
a.c. output voltage range	230 Va.c.	230 Va.c.	230 Va.c.	230 Va.c.
Nominal a.c. output frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Maximum continuous a.c. output current	14,3 Aa.c.	16,7 Aa.c.	19,1 Aa.c.	21,95 Aa.c.
Nominal output active power P_n	3 kW	3.68 kW	4.0 kW	4.6 kW
Power factor	0,8 ind. ~ 0,8 cap.	0,8 ind. ~ 0,8 cap.	0,8 ind. ~ 0,8 cap.	0,8 ind. ~ 0,8 cap.
Temperature range	-25~+60°C	-25~+60°C	-25~+60°C	-25~+60°C
Degree of protection	IP 65	IP 65	IP 65	IP 65
Protection class	I	I	I	I

Model:	SE 5KTL-D1	SE 6KTL-D1	PV-5000S-V
Maximum rated d.c. input voltage	600 Vd.c.	600 Vd.c.	600Vd.c.
PV input MPPT operating voltage range	70 ~ 580 Vd.c.	70 ~ 580 Vd.c.	70-580Vd.c.
Maximum operating PV input current	13 × 2 Ad.c.	13 × 2 Ad.c.	13x2Ad.c.
Maximum total PV array s-c current	15 × 2 Ad.c.	15 × 2 Ad.c.	15x2Ad.c.
a.c. output voltage range	230 Va.c.	230 Va.c.	220/230 Va.c.
Nominal a.c. output frequency	50/60 Hz	50/60 Hz	50/60 Hz
Maximum continuous a.c. output current	23,8 Aa.c.	28,6 Aa.c.	23,8Aa.c
Nominal output active power P_n	5.0 kW	6.0 kW	5.0kW
Power factor	0,8 ind. ~ 0,8 cap.	0,8 ind. ~ 0,8 cap.	0,8 ind. ~ 0,8 cap.
Temperature range	-25~+60°C	-25~+60°C	-25~+60°C
Degree of protection	IP 65	IP 65	IP 65
Protection class	I	I	I

Tested according to:

IEC 62109-1:2010
 EN 62109-1:2010
 IEC 62109-2:2011
 EN 62109-2:2011