



Product Service

CERTIFICATE

No. Z2 001965 0009 Rev. 01

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

Room 405, Building A
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.: 64290180423202

Valid until: 2025-07-14

Date, 2020-07-23

(Billy Qiu)

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Model(s): SE 17KTL-D3, SE 20KTL-D3, SE 22KTL-D3,
SE 25KTL-D3, SE 28KTL-D3, SE 30KTL-D3
VP 17KTL-D3, VP 20KTL-D3, VP 22KTL-D3,
VP 25KTL-D3, VP 28KTL-D3, VP 30KTL-D3
SE 17KTL-D3/EU, SE 20KTL-D3/EU,
SE 22KTL-D3/EU, SE 25KTL-D3/EU,
SE 28KTL-D3/EU, SE 30KTL-D3/EU,
SE 30KTL-D3/EU-CSB

Parameters:

Model:	SE 17KTL -D3	SE 20KTL -D3	SE 22KTL -D3	SE 25KTL -D3	SE 28KTL -D3	SE 30KTL -D3
Maximum rated d.c. input voltage	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.
PV input operating voltage range	180 - 1000 Vd.c.	180 - 1000 Vd.c.	180 - 1000 Vd.c.	180 - 1000 Vd.c.	180 - 1000 Vd.c.	180 - 1000 Vd.c.
Maximum operating PV input current	25 × 2 Ad.c.	25 × 2 Ad.c.	25 × 2 Ad.c.	37,5 × 2 Ad.c.	37,5 × 2 Ad.c.	37,5 × 2 Ad.c.
Maximum total PV array s-c current	30 × 2 Ad.c.	30 × 2 Ad.c.	30 × 2 Ad.c.	42 × 2 Ad.c.	42 × 2 Ad.c.	42 × 2 Ad.c.
a.c. output voltage	3N/PE~ 230/400 Va.c.	3N/PE~ 230/400 Va.c.	3N/PE~ 230/400 Va.c.	3N/PE~ 230/400 Va.c.	3N/PE~ 230/400 Va.c.	3N/PE~ 230/400 Va.c.
Nominal a.c. output frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Maximum continuous a.c. output current	28,3 Aa.c.	33,5 Aa.c.	35 Aa.c.	40 Aa.c.	45 Aa.c.	48 Aa.c.
Nominal output active power P _n	17 kW	20 kW	22 kW	25 kW	28 kW	30 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.	0,8 ind. - 0,8 cap.	0,8 ind. - 0,8 cap.
Protection class	I	I	I	I	I	I

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Model:	VP 17KTL -D3	VP 20KTL -D3	VP 22KTL -D3	VP 25KTL -D3	VP 28KTL -D3	VP 30KTL -D3
Maximum rated d.c. input voltage	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.
PV input operating voltage range	180 - 1000 Vd.c.	180 - 1000 Vd.c.	180 - 1000 Vd.c.	180 - 1000 Vd.c.	180 - 1000 Vd.c.	180 - 1000 Vd.c.
Maximum operating PV input current	25 × 2 Ad.c.	25 × 2 Ad.c.	25 × 2 Ad.c.	37,5 × 2 Ad.c.	37,5 × 2 Ad.c.	37,5 × 2 Ad.c.
Maximum total PV array s-c current	30 × 2 Ad.c.	30 × 2 Ad.c.	30 × 2 Ad.c.	42 × 2 Ad.c.	42 × 2 Ad.c.	42 × 2 Ad.c.
a.c. output voltage	3N/PE~ 230/400 Va.c.	3N/PE~ 230/400 Va.c.	3N/PE~ 230/400 Va.c.	3N/PE~ 230/400 Va.c.	3N/PE~ 230/400 Va.c.	3N/PE~ 230/400 Va.c.
Nominal a.c. output frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Maximum continuous a.c. output current	28,3 Aa.c.	33,5 Aa.c.	35 Aa.c.	40 Aa.c.	45 Aa.c.	48 Aa.c.
Nominal output active power P _n	17 kW	20 kW	22 kW	25 kW	28 kW	30 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.	0,8 ind. - 0,8 cap.	0,8 ind. - 0,8 cap.
Protection class	I	I	I	I	I	I

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Model:	SE 17KTL-D3/EU	SE 20KTL-D3/EU	SE 22KTL-D3/EU	SE 25KTL-D3/EU	SE 28KTL-D3/EU	SE 30KTL-D3/EU, SE 30KTL-D3/EU-CSB
Maximum rated d.c. input voltage	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.
PV input operating voltage range	180 - 1000 Vd.c.	180 - 1000 Vd.c.	180 - 1000 Vd.c.	180 - 1000 Vd.c.	180 - 1000 Vd.c.	180 - 1000 Vd.c.
Maximum operating PV input current	25 × 2 Ad.c.	25 × 2 Ad.c.	25 × 2 Ad.c.	37,5 × 2 Ad.c.	37,5 × 2 Ad.c.	37,5 × 2 Ad.c.
Maximum total PV array s-c current	30 × 2 Ad.c.	30 × 2 Ad.c.	30 × 2 Ad.c.	45 × 2 Ad.c.	45 × 2 Ad.c.	45 × 2 Ad.c.
a.c. output voltage	3N/PE~ 230/400 Va.c.	3N/PE~ 230/400 Va.c.	3N/PE~ 230/400 Va.c.	3N/PE~ 230/400 Va.c.	3N/PE~ 230/400 Va.c.	3N/PE~ 230/400 Va.c.
Nominal a.c. output frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Maximum continuous a.c. output current	28,3 Aa.c.	33,5 Aa.c.	35 Aa.c.	40 Aa.c.	45 Aa.c.	48 Aa.c.
Nominal output active power P _n	17 kW	20 kW	22 kW	25 kW	28 kW	30 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.	0,8 ind. - 0,8 cap.	0,8 ind. - 0,8 cap.
Protection class	I	I	I	I	I	I

Tested according to:

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

Production Facility(ies):

087538