



Product Service

# Compliance Document

No. D 001965 0018 Rev. 00

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

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**Product:** **Converter  
(PV grid-interactive 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.:** 64290203101401

**Date,** 2021-02-08

( Billy Qiu )

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**Model(s):** SE 1KTL-S1, SE 1K5TL-S1, SE 2KTL-S1,  
SE 2K5TL-S1, SE 3KTL-S1, SE 3K6TL-S1  
SE 3KTL-D1, SE 3K6TL-D1, SE 4KTL-D1,  
SE 4K6TL-D1, SE 5KTL-D1

## Parameters:

Model:	SE 1KTL-S1	SE 1K5TL-S1	SE 2KTL-S1	SE 2K5TL-S1	SE 3KTL-S1	SE 3K6TL-S1
Maximum rated d.c. input voltage	600 Vd.c.	600 Vd.c.	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.	70 ~ 580 Vd.c.	70 ~ 580 Vd.c.
Maximum operating PV input current	12.5 Ad.c.	12.5 Ad.c.	12.5 Ad.c.	12.5 Ad.c.	12.5 Ad.c.	11 Ad.c.
Maximum total PV array s-c current	15 Ad.c.	15 Ad.c.	15 Ad.c.	15 Ad.c.	15 Ad.c.	15 Ad.c.
a.c. output voltage range	230 Va.c.	230 Va.c.	230 Va.c.	230 Va.c.	230 Va.c.	230 Va.c.
Nominal a.c. output frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Maximum continuous a.c. output current	4.8 Aa.c.	7.2 Aa.c.	9.5 Aa.c.	11.9 Aa.c..	14.3 Aa.c..	17.2 Aa.c.
Nominal output active power $P_n$	1 kW	1.5 kW	2 kW	2.5 kW	3 kW	3.6 kW
Power factor	>0.99	>0.99	>0.99	>0.99	>0.99	>0.99

Model:	SE 3KTL-D1	SE 3K6TL-D1	SE 4KTL-D1	SE 4K6TL-D1	SE 5KTL-D1
Maximum rated d.c. input voltage	600 Vd.c.	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.	70 ~ 580 Vd.c.
Maximum operating PV input current	11 × 2 Ad.c.	11 × 2 Ad.c.	11 × 2 Ad.c.	11 × 2 Ad.c.	11 × 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.	15 × 2 Ad.c.
a.c. output voltage range	230 Va.c.	230 Va.c.	230 Va.c.	230 Va.c.	230 Va.c.
Nominal a.c. output frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Maximum continuous a.c. output current	14.3 Aa.c.	16.7 Aa.c.	19.1 Aa.c.	21.95 Aa.c.	23.8 Aa.c.
Nominal output active power $P_n$	3 kW	3.68 kW	4.0 kW	4.6 kW	5.0 kW
Power factor	>0.99	>0.99	>0.99	>0.99	>0.99

**Tested according to:**

RD 1699:2011  
RD 661:2007  
RD 413:2014