

# Compliance Document

No. D 001965 0006 Rev. 03

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

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Co-talent Creative Park  
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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.:** 64290180551504

**Date,** 2020-10-28



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

## Parameters:

Model:	SE 17KTL-D3	SE 20KTL-D3	SE 22KTL-D3
Maximum rated d.c. input voltage	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.
Maximum operating PV input current	25 × 2 Ad.c.	25 × 2 Ad.c.	25 × 2 Ad.c.
Maximum total PV array s-c current	30 × 2 Ad.c.	30 × 2 Ad.c.	30 × 2 Ad.c.
a.c. output voltage	3N/PE~ 230/400 220/380 Va.c.	3N/PE~ 230/400 220/380 Va.c.	3N/PE~ 230/400 220/380 Va.c.
Nominal a.c. output frequency	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.
Nominal output active power P <sub>n</sub>	17 kW	20 kW	22 kW
Power factor	0.8 ind. - 0.8 cap.	0.8 ind. - 0.8 cap.	0.8 ind. - 0.8 cap.
Protection class	I	I	I

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Model:	SE 25KTL-D3	SE 28KTL-D3	SE 30KTL-D3	SE 30KTL-D3/EU-CSB
Maximum rated d.c. input voltage	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.
Maximum operating PV input current	37.5 × 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	42 × 2 Ad.c.	42 × 2 Ad.c.	42 × 2 Ad.c.	45 × 2 Ad.c.
a.c. output voltage	3N/PE~ 230/400 220/380 Va.c.	3N/PE~ 230/400 220/380 Va.c.	3N/PE~ 230/400 220/380 Va.c.	3N/PE~ 230/400 220/380 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	40 Aa.c.	45 Aa.c.	48 Aa.c.	48 Aa.c.
Nominal output active power P <sub>n</sub>	25 kW	28 kW	30 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.
Protection class	I	I	I	I

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Model:	VP 17KTL-D3	VP 20KTL-D3	VP 22KTL-D3
Maximum rated d.c. input voltage	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.
Maximum operating PV input current	25 × 2 Ad.c.	25 × 2 Ad.c.	25 × 2 Ad.c.
Maximum total PV array s-c current	30 × 2 Ad.c.	30 × 2 Ad.c.	30 × 2 Ad.c.
a.c. output voltage	3N/PE~ 230/400 220/380 Va.c.	3N/PE~ 230/400 220/380 Va.c.	3N/PE~ 230/400 220/380 Va.c.
Nominal a.c. output frequency	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.
Nominal output active power $P_n$	17 kW	20 kW	22 kW
Power factor	0.8 ind. - 0.8 cap.	0.8 ind. - 0.8 cap.	0.8 ind. - 0.8 cap.
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Model:	VP 25KTL-D3	VP 28KTL-D3	VP 30KTL-D3
Maximum rated d.c. input voltage	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.
Maximum operating PV input current	37.5 × 2 Ad.c.	37.5 × 2 Ad.c.	37.5 × 2 Ad.c.
Maximum total PV array s-c current	42 × 2 Ad.c.	42 × 2 Ad.c.	42 × 2 Ad.c.
a.c. output voltage	3N/PE~ 230/400 220/380 Va.c.	3N/PE~ 230/400 220/380 Va.c.	3N/PE~ 230/400 220/380 Va.c.
Nominal a.c. output frequency	50/60 Hz	50/60 Hz	50/60 Hz
Maximum continuous a.c. output current	40 Aa.c.	45 Aa.c.	48 Aa.c.
Nominal output active power P <sub>n</sub>	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.
Protection class	I	I	I

**Tested according to:**

IEC 61727:2004  
IEC 62116:2014