



Product Service

Attestation of Conformity

No. N8A 087538 0002 Rev. 00

Holder of Certificate: **Shenzhen Senergy Technology Co., Ltd.**
Block D, BC Park, No.18, Xiusha Rd.
Shatian Kengzi Sub-district
Pingshan District
518112 Shenzhen
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
(Grid-Tied Solar Inverter)

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290180423207

Date, 2022-11-23

(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
PV-22000S-U, PV-30000S-U
SE 16KTL-DL3, SE 18KTL-DL3**

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	27 × 2 Ad.c.	27 × 2 Ad.c.	27 × 2 Ad.c.	40.5 × 2 Ad.c.	40.5 × 2 Ad.c.	40.5 × 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.
Rated a.c. output voltage	3/N/PE, 400/230 Va.c.	3/N/PE, 400/230 Va.c.	3/N/PE, 400/230 Va.c.	3/N/PE, 400/230 Va.c.	3/N/PE, 400/230 Va.c.	3/N/PE, 400/230 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.					
Protection class	I					
Ingress protection	IP65					
Temperature	-25°C ~ +60°C (derating at 45°C)					
Altitude	up to 4000 m					

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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	27 × 2 Ad.c.	27 × 2 Ad.c.	27 × 2 Ad.c.	40.5 × 2 Ad.c.	40.5 × 2 Ad.c.	40.5 × 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.
Rated a.c. output voltage	3/N/PE, 400/230 Va.c.	3/N/PE, 400/230 Va.c.	3/N/PE, 400/230 Va.c.	3/N/PE, 400/230 Va.c.	3/N/PE, 400/230 Va.c.	3/N/PE, 400/230 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.					
Protection class	I					
Ingress protection	IP65					
Temperature	-25°C ~ +60°C (derating at 45°C)					
Altitude	up to 4000 m					

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	27 × 2 Ad.c.	27 × 2 Ad.c.	27 × 2 Ad.c.	40.5 × 2 Ad.c.	40.5 × 2 Ad.c.	40.5 × 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.
Rated a.c. output voltage	3/N/PE, 400/230 Va.c.	3/N/PE, 400/230 Va.c.	3/N/PE, 400/230 Va.c.	3/N/PE, 400/230 Va.c.	3/N/PE, 400/230 Va.c.	3/N/PE, 400/230 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.					
Protection class	I					
Ingress protection	IP65					
Temperature	-25°C ~ +60°C (derating at 45°C)					
Altitude	up to 4000 m					

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Model:	PV-22000S-U	PV-30000S-U
Maximum rated d.c. input voltage	1000 Vd.c.	1000 Vd.c.
PV input operating voltage range	180 - 1000 Vd.c.	180 - 1000 Vd.c.
Maximum operating PV input current	27 × 2 Ad.c.	40.5 × 2 Ad.c.
Maximum total PV array s-c current	30 × 2 Ad.c.	42 × 2 Ad.c.
Rated a.c. output voltage	3/N/PE, 400/230Va.c.	3/N/PE, 400/230Va.c.
Nominal a.c. output frequency	60 Hz	60 Hz
Maximum continuous a.c. output current	35 Aa.c.	48 Aa.c.
Nominal output active power P _n	22 kW	30 kW
Power factor	0.8 ind. - 0.8 cap.	
Protection class	I	
Ingress protection	IP65	
Temperature	-25°C ~ +60°C (derating at 45°C)	
Altitude	up to 4000 m	

Model:	SE 16KTL-DL3	SE 18KTL-DL3
Maximum rated d.c. input voltage	800 Vd.c.	800 Vd.c.
PV input operating voltage range	180 - 800 Vd.c.	180 - 800 Vd.c.
Maximum operating PV input current	40.5 × 2 Ad.c.	40.5 × 2 Ad.c.
Maximum total PV array s-c current	45 × 2 Ad.c.	45 × 2 Ad.c.
Rated a.c. output voltage	3/N/PE, 220/128Va.c.	3/N/PE, 220/128Va.c.
Nominal a.c. output frequency	60 Hz	60 Hz
Maximum continuous a.c. output current	42 Aa.c.	48 Aa.c.
Nominal output active power P _n	16 kW	18 kW
Power factor	0.8 ind. - 0.8 cap.	
Protection class	I	
Ingress protection	IP65	
Temperature	-25°C ~ +60°C (derating at 45°C)	
Altitude	up to 4000 m	

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**Tested
according to:**

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

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