

Compliance Document

No. D 001965 0028 Rev. 01

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

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PEOPLE'S REPUBLIC OF CHINA

Product: **Converter
(PV Grid-connected 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

Test report no.: 64290213079102

Date, 2022-11-14



(Billy Qiu)

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Model(s):

**SE 2KTL-S1/G2, SE 3KTL-S1/G2,
SE 3.6KTL-S1/G2, SE 4KTL-D1/G2,
SE 5KTL-D1/G2, SE 6KTL-D1/G2,
SE 1.5KTL-S1/G2P, SE 2KTL-S1/G2P,
SE 3KTL-S1/G2P, SE 3.6KTL-S1/G2P,
SE 3.68KTL-D1/G2P, SE 4KTL-D1/G2P,
SE 4.6KTL-D1/G2P, SE 5KTL-D1/G2P,
SE 6KTL-D1/G2P,
VP 2KTL-S1/G2P, VP 3KTL-S1/G2P,
VP3.6KTL-S1/G2P**

Parameters:

Model	SE 2KTL-S1/G2	SE 3KTL-S1/G2	SE 3.6KTL-S1/G2	SE 4KTL-D1/G2	SE 5KTL-D1/G2	SE 6KTL-D1/G2
PV terminal						
V _{max} PV	500Vd.c.			550Vd.c.		
MPPT Voltage Range	50-490Vd.c.			70-540Vd.c.		
MPPT Voltage Range (full load)	180 ~ 430Vd.c.	280 ~ 430Vd.c.	330 ~ 430Vd.c.	180 ~ 480Vd.c.	230 ~ 480Vd.c.	280 ~ 480Vd.c.
MPPT Tracker number	1			2		
Max. continuous PV input current per tracker	13Ad.c.			13/13Ad.c.		
I _{sc} PV per tracker	15Ad.c.			15/15Ad.c.		
Grid terminal						
Rated voltage	220/230/240 Va.c.					
Rated frequency	50/60 Hz					
Maximum continuous output current	10Aa.c.	15Aa.c.	16Aa.c.	20Aa.c.	25Aa.c.	27.3Aa.c.
Rated output current	9.1/8.7/ 8.3 Aa.c.	13.6/13/ 12.5 Aa.c.	16/15.7/ 15.0 Aa.c.	18.2/17.4/ 16.7 Aa.c.	22.7/21.7/ 20.8 Aa.c.	27.3/26.1/ 25.0 Aa.c.
Maximum output current	10.0/9.6/ 9.2 Aa.c.	15.0/14.3/ 13.8 Aa.c.	16/15.7/ 15.0 Aa.c.	20.0/19.1/ 18.3 Aa.c.	25.0/23.9/ 22.9 Aa.c.	27.3/26.1/ 25.0 Aa.c.
Rated output power	2000W	3000W	3600W	4000W	5000W	6000W
Rated output Apparent power	2000VA	3000VA	3600VA	4000VA	5000VA	6000VA
Maximum continuous output Apparent power	2200VA	3300VA	3600VA	4400VA	5500VA	6000VA
Power factor (Cos phi), adjustable	0.8 leading ~ 0.8 lagging					
Enclosure	IP65					
Temperature Range	-25°C ~ +60°C (derating at 45°C)					
Protective Class	I					
Altitude	up to 4000 m					

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Model	SE 1.5KTL-S1/G2P	SE 2KTL-S1/G2P	SE 3KTL-S1/G2P	SE 3.6KTL-S1/G2P
PV terminal				
Vmax. PV	500Vd.c.			
MPPT Voltage Range	50-490Vd.c.			
MPPT Voltage Range (full load)	100 ~ 430Vd.c.	140 ~ 430Vd.c.	210 ~ 430Vd.c.	250 ~ 430Vd.c.
MPPT Tracker number	1			
Max. continuous PV input current per tracker	15Ad.c.			
Isc PV per tracker	20Ad.c.			
Grid terminal				
Rated voltage	220/230/240 Va.c.			
Rated frequency	50/60 Hz			
Maximum continuous output current	7.5Aa.c.	10Aa.c.	15Aa.c.	16Aa.c.
Rated output current	6.8/6.5/6.3 Aa.c.	9.1/8.7/8.3 Aa.c.	13.6/13.0/12.5 Aa.c.	16/15.7/15.0 Aa.c.
Maximum output current	7.5/7.2/6.9 Aa.c.	10.0/9.6/9.2 Aa.c.	15.0/14.3/13.8 Aa.c.	16/15.7/15.0 Aa.c.
Rated output power	1500W	2000W	3000W	3600W
Rated output Apparent power	1500VA	2000VA	3000VA	3600VA
Maximum continuous output Apparent power	1650VA	2200VA	3300VA	3600VA
Power factor (Cos phi), adjustable	0.8 leading ~ 0.8 lagging			
Enclosure	IP65			
Temperature Range	-25°C ~ +60°C (derating at 45°C)			
Protective Class	I			
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Model	SE 3.68KTL-D1/G2P	SE 4KTL-D1/G2P	SE 4.6KTL-D1/G2P	SE 5KTL-D1/G2P	SE 6KTL-D1/G2P
PV terminal					
Vmax. PV	550Vd.c.				
MPPT Voltage Range	70-540Vd.c.				
MPPT Voltage Range (full load)	120 ~ 480Vd.c.	140 ~ 480Vd.c.	160 ~ 480Vd.c.	170 ~ 480Vd.c.	210 ~ 480Vd.c.
MPPT Tracker number	2				
Max. continuous PV input current per tracker	15/15Ad.c.				
Isc PV per tracker	20/20Ad.c.				
Grid terminal					
Rated voltage	220/230/240 Va.c.				
Rated frequency	50/60 Hz				
Maximum continuous output current	18.4Aa.c.	20Aa.c.	23Aa.c.	25Aa.c.	27.3Aa.c.
Rated output current	16.7/16/15.3 Aa.c.	18.2/17.4/16.7 Aa.c.	20.9/20.0/19.2 Aa.c.	22.7/21.7/20.8 Aa.c.	27.3/26.1/25.0 Aa.c.
Maximum output current	18.4/17.6/16.9 Aa.c.	20.0/19.1/18.3 Aa.c.	23.0/22.0/21.0 Aa.c.	25.0/23.9/22.9 Aa.c.	27.3/26.1/25.0 Aa.c.
Rated output power	3680W	4000W	4600W	5000W	6000W
Rated output Apparent power	3680VA	4000VA	4600VA	5000VA	6000VA
Maximum continuous output Apparent power	4048VA	4400VA	5060VA	5500VA	6000VA
Power factor (Cos phi), adjustable	0.8 leading ~ 0.8 lagging				
Enclosure	IP65				
Temperature Range	-25°C ~ +60°C (derating at 45°C)				
Protective Class	I				
Altitude	up to 4000 m				

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Model	VP 2KTL-S1/G2P	VP 3KTL-S1/G2P	VP 3.6KTL-S1/G2P
PV terminal			
Vmax. PV	500Vd.c.		
MPPT Voltage Range	50-490Vd.c.		
MPPT Voltage Range (full load)	140 ~ 430Vd.c.	210 ~ 430Vd.c.	250 ~ 430Vd.c.
MPPT Tracker number	1		
Max. continuous PV input current per tracker	15Ad.c.		
Isc PV per tracker	20Ad.c.		
Grid terminal			
Rated voltage	220/230/240 Va.c.		
Rated frequency	50/60 Hz		
Maximum continuous output current	10Aa.c.	15Aa.c.	16Aa.c.
Rated output current	9.1/8.7/8.3 Aa.c.	13.6/13.0/12.5 Aa.c.	16/15.7/15.0 Aa.c.
Maximum output current	10.0/9.6/9.2 Aa.c.	15.0/14.3/13.8 Aa.c.	16/15.7/15.0 Aa.c.
Rated output power	2000W	3000W	3600W
Rated output Apparent power	2000VA	3000VA	3600VA
Maximum continuous output Apparent power	2200VA	3300VA	3600VA
Power factor (Cos phi), adjustable	0.8 leading ~ 0.8 lagging		
Enclosure	IP65		
Temperature Range	-25°C ~ +60°C (derating at 45°C)		
Protective Class	I		
Altitude	up to 4000 m		

Tested according to:

IEC 60068-2-1:2007
 IEC 60068-2-2:2007
 IEC 60068-2-14:2009
 IEC 60068-2-30:2005