



Product Service

Compliance Document

No. D 087538 0014 Rev. 02

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**
(PV grid-interactive inverter)

Model(s): SE 5KTL-D3/G2, SE 6KTL-D3/G2, SE 8KTL-D3/G2,
SE 10KTL-D3/G2, SE 10KTL-D3/G2P, SE 12KTL-D3/G2,
SE 15KTL-D3/G2, SE 15KTL-D3/G2P, SE 17KTL-D3/G2,
SE 20KTL-D3/G2, SE 22KTL-D3/G2, SE 25KTL-D3/G2,
SE 30KTL-D3/G2.

Parameters: See page 2-3

Tested according to: CEI 0-21:2022
CEI 0-21:2022/V1:2022

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.: 64290233003702

Date, 2023-12-15

(Billy Qiu)

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Parameters:

Model Name	SE 5KTL-D3/G2	SE 6KTL-D3/G2	SE 8KTL-D3/G2	SE 10KTL-D3/G2	SE 10KTL-D3/G2P
PV input terminal parameters					
Max. Input Voltage	1100 V d.c.				
MPPT Voltage Range	160 V d.c. -1000 V d.c.				
MPPT Tracker number	1/1				1/2
Max. Input Current	15/15 A d.c.				15/30 A d.c.
Shorted Input Current	20/20 A d.c.				20/40 A d.c.
AC output terminal parameters					
Rated Output Voltage	3/N/PE~, 230/400 V a.c.				
Rated Output Current	7.2 A a.c.	8.7 A a.c.	11.6 A a.c.	14.5 A a.c.	14.5 A a.c.
Max. Output Current	8.4 A a.c.	10.1 A a.c.	13.4 A a.c.	17.0 A a.c.	16.8 A a.c.
Rated. Output Power	5000 W	6000 W	8000 W	10000 W	10000 W
Maximum Output Active Power P_{max}	5500 W	6600 W	8800 W	11200 W	11000 W
Maximum Output Apparent Power S_{max}	5500 VA	6600 VA	8800 VA	11200 VA	11000 VA
Rated Output Frequency	50 Hz				
Power Factor	0.8 inductive to 0.8 capacitive				
Model Name	SE 12KTL-D3/G2	SE 15KTL-D3/G2	SE 15KTL-D3/G2P	SE 17KTL-D3/G2	
PV input terminal parameters					
Max. Input Voltage	1100 V d.c.				
MPPT Voltage Range	160 V d.c.-1000 V d.c.				
MPPT Tracker number	1/2	1/2	2/2	2/2	
Max. Input Current	15/30 A d.c.			30/30 A d.c.	
Shorted Input Current	20/40 A d.c.			40/40 A d.c.	
AC output terminal parameters					
Rated Output Voltage	3/N/PE~, 230/400 V a.c.				
Rated Output Current	17.4 A a.c.	21.7 A a.c.	21.7 A a.c.	24.6 A a.c.	
Max. Output Current	20.2 A a.c.	25.3 A a.c.	25.3 A a.c.	28.6 A a.c.	
Rated. Output Power	12000 W	15000 W	15000 W	17000 W	
Maximum Output Active Power P_{max}	13200 W	16700 W	16500 W	18700 W	
Maximum Output Apparent Power S_{max}	13200 VA	16700 VA	16500 VA	18700 VA	
Rated Output Frequency	50 Hz				
Power Factor	0.8 inductive to 0.8 capacitive				
Model Name	SE 20KTL-D3/G2	SE 22KTL-D3/G2	SE 25KTL-D3/G2	SE 30KTL-D3/G2	
PV input terminal parameters					
Max. Input Voltage	1100 V d.c.				

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MPPT Voltage Range	160 V d.c.-1000 V d.c.			
MPPT Tracker number	2/2	2/2	2/2	2/2
Max. Input Current	30/30 A d.c.			40/30 A d.c.
Shorted Input Current	40/40 A d.c.			50/37.5 A d.c.
AC output terminal parameters				
Rated Output Voltage	3/N/PE~, 230/400 V a.c.			
Rated Output Current	29.0 A a.c.	31.9 A a.c.	36.2 A a.c.	43.5 A a.c.
Max. Output Current	33.7 A a.c.	37.0 A a.c.	39.8 A a.c.	50.2 A a.c.
Rated. Output Power	20000 W	22000 W	25000 W	30000 W
Maximum Output Active Power P_{max}	22000 W	24200 W	27500 W	33000 W
Maximum Output Apparent Power S_{max}	22000 VA	24200 VA	27500 VA	33000 VA
Rated Output Frequency	50 Hz			
Power Factor	0.8 inductive to 0.8 capacitive			

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The following generators meet the requirements of CEI 0-21:2022						
Section A	Manufacturer	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				
	Equipment type	PV grid-interactive inverter				
	Brand	Senergy				
	Number of phase	<input type="checkbox"/> Single phase <input checked="" type="checkbox"/> Three phase Frequency: 50Hz Voltage: 230/400 Va.c.				
	Primary energy used	<input checked="" type="checkbox"/> Solar <input type="checkbox"/> Storage <input type="checkbox"/> Wind <input type="checkbox"/> Hydroelectric <input type="checkbox"/> CHP <input type="checkbox"/> Other:				
	Generator model	SE 5KTL-D3/G2	SE 6KTL-D3/G2	SE 8KTL-D3/G2	SE 10KTL-D3/G2	SE 10KTL-D3/G2P
	Rated active power output to Grid	5000 W	6000 W	8000 W	10000 W	10000 W
	Maximum apparent power output to Grid	5500 VA	6600 VA	8800 VA	11200 VA	11000 VA
	Generator model	SE 12KTL-D3/G2	SE 15KTL-D3/G2	SE 15KTL-D3/G2P	SE 17KTL-D3/G2	SE 20KTL-D3/G2
	Rated active power output to Grid	12000 W	15000 W	15000 W	17000 W	20000W
	Maximum apparent power output to Grid	13200 VA	16700 VA	16500 VA	18700 VA	22000 VA
	Generator model	SE 22KTL-D3/G2	SE 25KTL-D3/G2	SE 30KTL-D3/G2	--	--
	Rated active power output to Grid	22000W	25000W	30000W	--	--
	Maximum apparent power output to Grid	24200 VA	27500 VA	33000 VA	--	--
	The generator:	<input checked="" type="checkbox"/> is suitable for installation in systems with an output power of more than 11.08 kW <input checked="" type="checkbox"/> is capable of limiting Idc to 0.5% of rated current: <input checked="" type="checkbox"/> uses a DC-sensitive protection function <input type="checkbox"/> uses a transformer operating at mains frequency				

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Section B	Characteristics of the interface protection system					
	Manufacturer	Shenzhen Senergy Technology Co., Ltd.				
	Model	SE 5KTL-D3/G2, SE 6KTL-D3/G2, SE 8KTL-D3/G2, SE 10KTL-D3/G2, SE 10KTL-D3/G2P, SE 12KTL-D3/G2, SE 15KTL-D3/G2, SE 15KTL-D3/G2P, SE 17KTL-D3/G2, SE 20KTL-D3/G2, SE 22KTL-D3/G2, SE 25KTL-D3/G2, SE 30KTL-D3/G2.				
	Type	<input checked="" type="checkbox"/> Integrated <input type="checkbox"/> Not integrated Remark: The application of Model SE 10KTL-D3/G2, SE 12KTL-D3/G2, SE 15KTL-D3/G2, SE 15KTL-D3/G2P, SE 17KTL-D3/G2, SE 20KTL-D3/G2, SE 22KTL-D3/G2, SE 25KTL-D3/G2, SE 30KTL-D3/G2 in system may exceed 11.08kW on grid connection point, external interface protection system is required according to final installation requirement.				
Section C	Characteristics of inverter(s)					
	Model of inverter	SE 5KTL-D3/G2	SE 6KTL-D3/G2	SE 8KTL-D3/G2	SE 10KTL-D3/G2	SE 10KTL-D3/G2P
	Rated power of inverter (PNINV)	5000 W	6000 W	8000 W	10000 W	10000 W
	Model of inverter	SE 12KTL-D3/G2	SE 15KTL-D3/G2	SE 15KTL-D3/G2P	SE 17KTL-D3/G2	SE 20KTL-D3/G2
	Rated power of inverter (PNINV)	12000 W	15000 W	15000 W	17000 W	20000W
	Model of inverter	SE 22KTL-D3/G2	SE 25KTL-D3/G2	SE 30KTL-D3/G2	--	--
	Rated power of inverter (PNINV)	22000W	25000W	30000W	--	--
	Manufacturer of inverter	Shenzhen Senergy Technology Co., Ltd.				
	Firmware version	062511				



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Section I	References of the laboratories that performed the tests and their test reports (RdP)	
	Selected method	<input checked="" type="checkbox"/> Tests performed by an accredited laboratory
	Test Reports (RdP)	Test report according to Annex A, Annex B: 64.290.23.30037.02
	Issued by	Testing lab: TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch
	Accreditation No.	D-PL-19065-01-00
	Accreditation body ref.	DAkkS
Section M	Reference of the certification body	
	Certification Body	TÜV SÜD Product Service GmbH
		DAkkS accreditation certificate D-ZE-11321-01-00 according to DIN EN ISO/IEC 17065:2013