



Product Service

Compliance Document

No. D 087538 0030 Rev. 00

Holder of Certificate: **Shenzhen Senergy Technology Co., Ltd.**
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PEOPLE'S REPUBLIC OF CHINA

Product: **Converter
(Hybrid 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.: 64290233012401

Date, 2024-11-13

(Billy Qiu)



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Model(s): SE 5KHB-D3, SE 6KHB-D3, SE 8KHB-D3, SE 10KHB-D3, SE 5KHB-D3P, SE 6KHB-D3P, SE 8KHB-D3P, SE 10KHB-D3P

Parameters:

Model	SE 5KHB-D3	SE 6KHB-D3	SE 8KHB-D3	SE 10KHB-D3
PV terminal parameters				
Maximum PV voltage [V _{DC}]	1000			
Rated voltage [V _{DC}]	650			
MPPT voltage range [V _{DC}]	160 - 950			
MPPT voltage range (full load) [V _{DC}]	330 - 800		370 - 800	
Maximum input current [A _{DC}]	15/15		20/30	
Isc PV [A _{DC}]	20/20		30/40	
MPPT tracker number	2			
Maximum input power [W]	9000		15000	
Battery input/output parameters				
Battery type	Lithium-ion/Lead-acid			
Maximum voltage [V _{DC}]	600			
Battery rated voltage [V _{DC}]	504			
Battery voltage range [V _{DC}]	150 - 600			
Maximum charge power [W]	9000	9000	15000	15000
Maximum discharge power [W]	5800	7000	9100	11300
Maximum charge current [A _{DC}]	25		50	
Maximum discharge current [A _{DC}]	25		50	
Maximum charge power from grid to battery [W]	5500	6600	8800	11000
Grid input terminal parameters				
Rated input voltage [V _{AC}]	3P+N+PE, 230/400			
Rated input frequency [Hz]	50			
Maximum continuous input current from grid to battery [A _{AC}]	8.0	9.6	12.7	16.0
Maximum continuous input current [A _{AC}]	25.0	25.0	25.0	25.0
Maximum continuous input power from grid to battery [W]	5500	6600	8800	11000



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Maximum continuous input active power [W]	15800	15800	15800	15800
Maximum continuous input apparent power [VA]	15800	15800	15800	15800
Grid output terminal parameters				
Rated output voltage [V_{AC}]	3P+N+PE, 230/400			
Rated output frequency [Hz]	50			
Rated output current [A_{AC}]	7.2	8.7	11.6	14.5
Maximum continuous output current [A_{AC}]	8.0	9.6	12.7	16.0
Rated output active power [W]	5000	6000	8000	10000
Maximum output active power [W]	5500	6600	8800	11000
Maximum output apparent power [VA]	5500	6600	8800	11000
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)			

Model	SE 5KHB-D3P	SE 6KHB-D3P	SE 8KHB-D3P	SE 10KHB-D3P
PV terminal parameters				
Maximum PV voltage [V_{DC}]	1000			
Rated voltage [V_{DC}]	650			
MPPT voltage range [V_{DC}]	160 - 950			
MPPT voltage range (full load) [V_{DC}]	370 - 800			
Maximum input current [A_{DC}]	20/30			
Isc PV [A_{DC}]	30/40			
MPPT tracker number	2			
Maximum input power [W]	15000			
Battery input/output parameters				
Battery type	Lithium-ion/Lead-acid			
Maximum voltage [V_{DC}]	600			
Battery rated voltage [V_{DC}]	504			
Battery voltage range [V_{DC}]	120 - 600			
Maximum charge power [W]	15000	15000	15000	15000
Maximum discharge power [W]	5800	7000	9100	11300
Maximum charge current [A_{DC}]	50		50	



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Maximum discharge current [A _{DC}]	50		50	
Maximum charge power from grid to battery [W]	5500	6600	8800	11000
Grid input terminal parameters				
Rated input voltage [V _{AC}]	3P+N+PE, 230/400			
Rated input frequency [Hz]	50			
Maximum continuous input current from grid to battery [A _{AC}]	8.0	9.6	12.7	16.0
Maximum continuous input current [A _{AC}]	25.0	25.0	25.0	25.0
Maximum continuous input power from grid to battery [W]	5500	6600	8800	11000
Maximum continuous input active power [W]	15800	15800	15800	15800
Maximum continuous input apparent power [VA]	15800	15800	15800	15800
Grid output terminal parameters				
Rated output voltage [V _{AC}]	3P+N+PE, 230/400			
Rated output frequency [Hz]	50			
Rated output current [A _{AC}]	7.2	8.7	11.6	14.5
Maximum continuous output current [A _{AC}]	8.0	9.6	12.7	16.0
Rated output active power [W]	5000	6000	8000	10000
Maximum output active power [W]	5500	6600	8800	11000
Maximum output apparent power [VA]	5500	6600	8800	11000
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)			

Tested according to:

IEC 61727:2004
IEC 62116:2014