

VERIFICATION OF COMPLIANCE

No.: GZES2504006744PV-1

Applicant: Shenzhen Senergy Technology Co., Ltd.
Block D, BC Park, No. 18, Xiusha Road, Shatian Kengzi
Sub-district, Pingshan District, Shenzhen, 518122, China

Manufacturer: Shenzhen Senergy Technology Co., Ltd.
Block D, BC Park, No. 18, Xiusha Road, Shatian Kengzi
Sub-district, Pingshan District, Shenzhen, 518122, China

Product Name: ESS Inverter

Product Description: Inverter used in PV and Battery system

Model No.: SE 6KHB-D3/LV, SE 8KHB-D3/LV, SE 10KHB-T3/LV,
SE 12KHB-T3/LV, SE 15KHB-T3/LV, SE 20KHB-T3/LV

Trade Mark: Senergy

Rating: See pages 2-3

Protection against Electric Shock: Class I

Degree of Protection: IP65

Additional Information: Software version: 062001

Sufficient samples of the product have been tested and found to be in conformity with

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

as shown in the

Test Report Number(s): GZES250400674401

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards.

David Guo

Technical Manager

SGS-CSTC Standards Technical Services Co., Ltd.

2026-06-09

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SGS-CSTC Standards Technical Services Co., Ltd.
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www.sgsgroup.com.cn
Member of the SGS Group (SGS SA)

No.:

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Other information added:

Rating:

Model	SE 6KHB- D3/LV	SE 8KHB- D3/LV	SE 10KHB- T3/LV	SE 12KHB- T3/LV	SE 15KHB- T3/LV	SE 20KHB- T3/LV
Input (PV)						
Max. PV Input Voltage	1000 V					
Start-up Voltage	120 V					
MPPT Operating Voltage Range	160 V-980 V					
PV Rated voltage [VDC]	650 V					
Max. Input Current per MPPT	20 A / 20 A		20 A / 20 A / 20 A			
Max. Short Circuit Current per MPPT	30 A / 30 A		30 A / 30 A / 30 A			
Nos. of MPPT	2		3			
String per MPPT	1/1		1/1/1			
Input/Output (BAT)						
Battery Type	Lithium-ion/Lead-acid					
No.of battery input	2*					
Battery Voltage Range	40 V-60 V					
Max. Charge/Discharge Current	380A/ 150A	380A/ 200A	380A/ 250A	380A/ 300A	380A/ 350A	380A/ 380A
Max. Charge/Discharge Power	20000W/ 7200W	20000W/ 9600W	20000W/ 12000W	20000W/ 14500W	20000W/ 18000W	20000W/ 20000W
Output (Grid)						
Nominal AC Output Power	6000 W	8000 W	10000 W	12000 W	15000 W	20000 W
Max. AC Output Apparent Power	6600 VA	8800 VA	11000 VA	13200 VA	16500 VA	22000 VA
Nominal AC Output Current	3*9.1A/3* 8.7A/3* 8.3A	3*12.1A/ 3*11.6A/ 3*11.1A	3*15.2A/ 3*14.5A/ 3*13.9A	3*18.2A/ 3*17.4A/ 3*16.7A	3*22.7A/ 3*21.7A/ 3*20.8A	3*30.3A/ 3*29A/3* 27.8A
Max. AC Output Current	3*10 A	3*13.3 A	3*16.7 A	3*20 A	3*25 A	3*33.3 A
Max. Single Phase Power	4300 W	4300 W	8500 W	8500 W	8500 W	8500 W
Nominal Grid Voltage	220 V / 380 V; 230 V / 400 V, 240 V / 415 V 3 W+N+PE					
Nominal Grid Frequency	50 Hz / 60 Hz					
Power Factor	60 Hz> 0.99 @rated power (Adjustable 0.8 LD - 0.8 LG)					
Output (Back up)						
Nominal AC Output Power	6000 W	8000 W	10000 W	12000 W	15000 W	20000 W
Max. AC Output Apparent Power	6600 VA	8800 VA	11000 VA	13200 VA	16500 VA	22000 VA

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Other information added:

Rating:

Nominal AC Output Current	3*9.1A/3* 8.7A/3* 8.3A	3*12.1A/ 3*11.6A/ 3*11.1A	3*15.2A/ 3*14.5A/ 3*13.9A	3*18.2A/ 3*17.4A/ 3*16.7A	3*22.7A/ 3*21.7A/ 3*20.8A	3*30.3A/ 3*29A/3* 27.8A
Max. AC Output Current	3*10 A	3*13.3 A	3*16.7 A	3*20 A	3*25 A	3*33.3 A
Nominal Grid Voltage	220 V / 380 V; 230 V / 400 V, 240 V / 415 V 3 W+N+PE					
Nominal Grid Frequency	50 Hz / 60 Hz					
Input (Generator)						
Max. Input Power	30000 W					
Rated Input Voltage	220 V / 380 V; 230 V / 400 V, 240 V / 415 V					
Rated input frequency	50 Hz / 60 Hz					
General Data						
Topology	Transformerless					
Operating temperature range	-25 °C ~ +60 °C (>45 °C derating)					
Degree of protection	IP65					
Protection Class	Class I					
Cooling concept	FAN cooling					
Dimensions (W*H*D)	460 mm*742 mm*266 mm					
Weight	Approx.50 kg					
*No.of battery input: If only one set of terminals is used, the max battery charge/discharge will be limited to 190 A.						

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