

VERIFICATION OF COMPLIANCE

No.:	GZES2401000358PV
Applicant:	Shenzhen Aohai Digital Power Co., Ltd. 2501, Building 1, Huide Building, North Station Community, Minzhi Street, Longhua, Shenzhen, Guangdong, China
Manufacturer:	Shenzhen Aohai Digital Power Co., Ltd. 2501, Building 1, Huide Building, North Station Community, Minzhi Street, Longhua, Shenzhen, Guangdong, China
Product Name:	Three-phase Hybrid Inverter
Product Description:	--
Model No.:	AH-4KTH-G1, AH-5KTH-G1, AH-6KTH-G1, AH-7KTH-G1, AH-8KTH-G1, AH-10KTH-G1
Trade Mark:	AOHAI
Rating:	Refer to page 2-3
Protection against Electric Shock:	Class I
Degree of Protection:	IP66
Additional Information (if any):	-
Sufficient samples of the product have been tested and found to be in conformity with	
Test Standard:	IEC 62109-1: 2010 IEC 62109-2: 2011
as shown in the	
Test Report Number(s):	GZES240100035801 GZES240100035802

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.



2024-09-24

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SGS-CSTC Standards Technical Services Co., Ltd.
16F, Century Yu Hui Mansion, No.73, Fucheng Road, Haidian District, Beijing, 100142, CHINA
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Other information added:

Rating:

Model Specifications	AH- 4KTH-G1	AH- 5KTH-G1	AH- 6KTH-G1	AH- 7KTH-G1	AH- 8KTH-G1	AH- 10KTH-G1
Input data (PV)						
Max. recommended PV power (for module STC)	6000 W	7500 W	9000 W	10500 W	12000 W	15000 W
Max. DC voltage			1000 V			
Start voltage			120 V			
Nominal voltage			600 V			
MPP voltage range			120~1000 V			
No. of MPP trackers			2			
No. of PV strings per MPP trackers			1			
Max. input current per MPP			16 A			
Max. short-circuit current per MPP trackers			20 A			
Output data (Grid)						
AC nominal power	4000 W	5000 W	6000 W	7000 W	8000 W	10000 W
Max. AC apparent power	4000 VA	5000 VA	6000 VA	7000 VA	8000 VA	10000 VA
Nominal AC voltage			230 V/400 V a.c.; 3 W/N/PE			
AC grid frequency			50/60, ±5 Hz			
Max. output current	6.1 A	7.6 A	9.1 A	10.6 A	12.2 A	15.2 A
Power factor			1 (0.8 leading ~ 0.8 lagging)			
Stand-alone (AC power)						

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AC nominal output power	4000 W	5000 W	6000 W	7000 W	8000 W	10000 W
Max. AC apparent power	4000 VA	5000 VA	6000 VA	7000 VA	8000 VA	10000 VA
Nominal AC voltage	230 V/400 V a.c; 3 W/N/PE					
Nominal AC frequency	50/60 Hz					
Max. output current	6.1 A	7.6 A	9.1 A	10.6 A	12.2 A	15.2 A
Battery data (DC)						
Battery voltage range	100~550 V d.c.					
Recommended battery voltage	415 V d.c.					
Max. charging / discharging current	25 A/25 A					
Continuous charging / discharging power	4000 W	5000 W	6000 W	7000 W	8000 W	10000 W
Type of battery	Lithium battery / Lead-acid battery					
General data						
Dimensions (W*H*D)	545*480*195 mm					
Weight	31.9 kg					
Operating temperature range	-25°C ~ +60°C; with derating above 45°C					
Altitude	3000 m					
Topology	Transformerless					
Protection degree	IP66					
Over voltage category	II (PV), III (Mains)					

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