

Certificate of Conformity (COC)

SGS

Certificate Holder : Shenzhen Aohai Digital Power Co., Ltd.
2501, Building 1, Huide Building, North Station Community, Minzhi Street, Longhua, Shenzhen,
Guangdong, China

Date of Original Issue : 2025-01-27

Date of Last Revision : --

Date of Expiry : 2028-01-26

Certificate Number : PCS-25-1016

Product : Three-phase Hybrid Inverter

Ratings : See appendix on page 2

Brand/Trademark : **AOHAI**

Model(s) : AH-4KTH-G1, AH-5KTH-G1, AH-6KTH-G1, AH-7KTH-G1, AH-8KTH-G1, AH-10KTH-G1

Test Laboratory : SGS-CSTC Standards Technical Services Co., Ltd. Suzhou Branch

Testing Report : SUEE250100000151

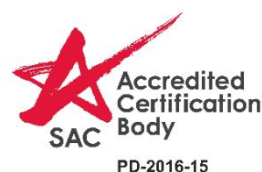
Test Standard : C10/11: 2021



This is to certify that the product has been tested and was found to comply with the requirements of the standard(s).
The above-mentioned product is certified according to the requirements of ISO/IEC 17065:2012.

Christopher Hee
Certification Officer

SGS Testing & Control Services Singapore Pte Ltd
30 Boon Lay Way #03-01 Singapore 609957



The use of this Certificate is subjected to the General Conditions for Certification Services accessible at <https://www.sgs.com/en/terms-and-conditions> and Certification Agreement for SGS Product Certification Scheme (PCS). Any unauthorised alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. This Certificate is part of a full report and should be read in conjunction with it. This Certificate cannot be reproduced except in full, without prior approval of the Company. This Certificate remains the property of SGS Testing & Control Services Singapore Pte Ltd and shall be returned upon request.

Model	AH-4KTH-G1	AH-5KTH-G1	AH-6KTH-G1	AH-7KTH-G1	AH-8KTH-G1	AH-10KTH-G1
DC Input (PV)						
Max. DC voltage	1000 V					
Rated input voltage	600 V					
Voltage range	120 V ~ 1000 V					
Max. input current	16 A / 16 A					
Max. short circuit current	20 A / 20 A					
DC Input (Battery)						
Type of battery	Li-Ion / Lead-acid					
Voltage range	100 V ~ 550 V					
Max. charging/discharging current	25 A / 25 A					
Max. charging/discharging power	4000 W	5000 W	6000 W	7000 W	8000 W	10000 W
AC Output (On-grid)						
Rated output power	4000 W	5000 W	6000 W	7000 W	8000 W	10000 W
Max. apparent output power	4000 VA	5000 VA	6000 VA	7000 VA	8000 VA	10000 VA
Max. output current	6.1 A	7.6 A	9.1 A	10.6 A	12.2 A	15.2 A
Nominal grid voltage	230/400 V, 3L/N/PE					
Nominal output frequency	50 Hz					
Output power factor	0.8 leading to 0.8 lagging					
AC Output (Back-up)						
Rated output power	4000 W	5000 W	6000 W	7000 W	8000 W	10000 W
Max. apparent output power	4000 VA	5000 VA	6000 VA	7000 VA	8000 VA	10000 VA
Max. output current	6.1 A	7.6 A	9.1 A	10.6 A	12.2 A	15.2 A
Nominal grid voltage	230/400 V, 3L/N/PE					
Nominal output frequency	50 Hz					
Other						
Operating temperature range	-25°C ~ +60°C (Derating above 45°C)					
Ingress Protection	IP66					
Protective Class	Class I					
Cooling concept	Natural					

