

# Certificate of Conformity (COC)



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

Date of Original Issue : 2024-12-06

Date of Last Revision : --

Date of Expiry : 2027-12-05

Certificate Number : PCS-24-1179

Product : Three-phase Hybrid Inverter

Ratings : See appendix on page 2

Brand/Trademark : **AOHAI**

Model : 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 : SUEE240500005551

Test Standard : EN 50549-1:2019 and EN 50549-10: 2022

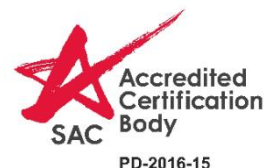


This is to certify that the product has been tested and was found to comply with the requirements of the standard(s).  
The above-mentioned product is certified according to the requirements of ISO/IEC 17065:2012.

The above-mentioned product is certified according to the standard EN 50549-1: 2019 and is valid to be installed in generating of type plants B to be connected to a LV distribution network. The relation between this European Standard with the relevant Article of COMMISSION REGULATION (EU) 2016/631 (NC RfG) is considered as it is indicated in the annex H of the standard EN 50549-1:2019.

This certification ensures the compliance with specific deviations for interface protection according for **The Netherlands** which have been verified according to settings defined in section A.16 NL of the standard EN 50438:2013.

Christopher Hee  
Certification Officer



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



SGS



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					

