

# Certificate of Conformity (COC)



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



PD-2016-15

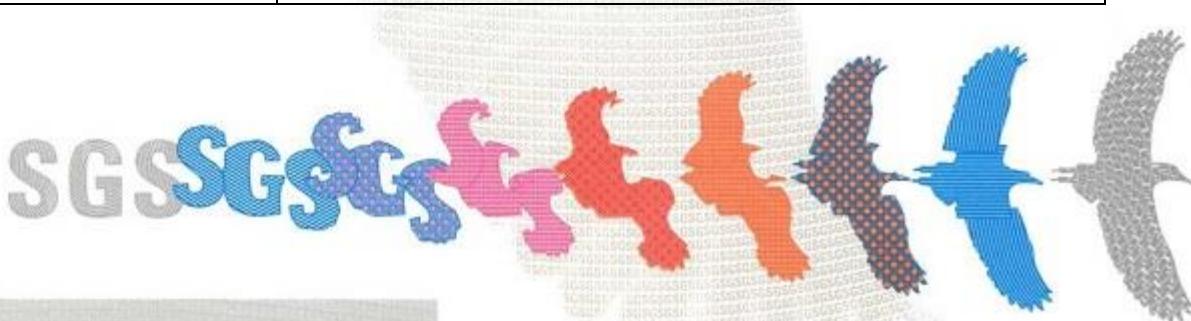


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## APPENDIX

Certificate Number: PCS-25-1016

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		



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