

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.

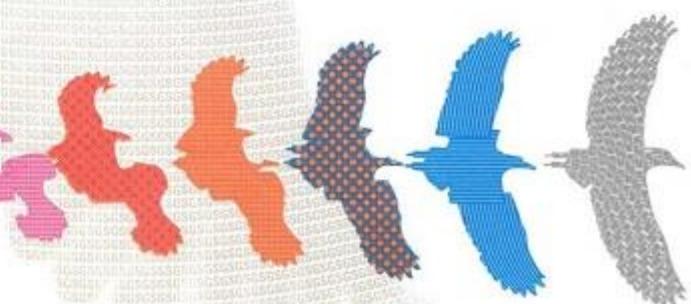
This certification ensures the compliance with specific deviations for interface protection according for **The Netherlands** which have been verified according to settings defined in section A.16 NL of the standard EN 50438:2013.

Christopher Hee
Certification Officer



PD-2016-15

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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		

