

Test Verification of Conformity

Verification Number: 250529096GZU-VOC001

On the basis of the tests undertaken, the sample<s> of the below product has been tested by an accredited 3rd party laboratory in accordance to the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

This document can be used in support of a claim in meeting relevant <EU>legislation and mandatory Conformity Marking. And in accordance with EU law, the claim is the sole obligation of the Manufacturer/ Importer.

Applicant Name & Address:

Shenzhen Aohai Digital Power Co., Ltd.
10th Floor, Building 4, Tianan Yungu Industrial Park Phase II, Gangtou Community, Bantian Street, Longgang District, Shenzhen, Guangdong, P.R. China

Product Description:

Three Phase Hybrid Inverter

Models/Type References:

HUA-8K3P-BL, HUA-10K3P-BL, HUA-12K3P-BL, HUA-15K3P-BL

Ratings & Principle

See Appendix

Characteristics:

Brand Names:

AOHAI

Specification<s>/Standards:

EN IEC 61000-6-3:2021

EN IEC 61000-6-1:2019

Verification Issuing Office Name & Address:

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China

Date of Tests:

04 August 2025 to 14 August 2025

Test Report Number(s):

250529096GZU-001

Additional information in Appendix.


Signature

Name: Sky Zhu

Position: Supervisor

Date: 08 September 2025

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 250529096GZU-VOC001.

Ratings & Principle Characteristics:

Model	HUA-8K3P-BL	HUA-10K3P-BL	HUA-12K3P-BL	HUA-15K3P-BL
PV Data				
Max. PV voltage	800 Vdc			
PV voltage range	160-650 Vdc			
Nominal input voltage	550 Vdc			
PV Isc	40/30 Adc			
Max. input current	27/20 Adc			
Number of MPP trackers	2			
AC Data				
Nominal voltage	3L/N/PE 220/380, 230/400, 240/415 Vac			
Nominal Frequency	50/60Hz			
Max. input/output power	8 kW	10 kW	12 kW	15 kW
Max. input/output apparent power	8.8 kVA	11 kVA	13.2 kVA	16.5 kVA
Max. input/output current	13.4 Aac	16.7 Aac	20 Aac	25 Aac
Power factor range	0.8 leading ~ 0.8 lagging			
Load Data				
Nominal voltage	3L/N/PE 220/380, 230/400, 240/415 Vac			
Nominal Frequency	50/60Hz			
Max. output power	8 kW	10 kW	12 kW	15 kW
Max. output apparent power	8.8 kVA	11 kVA	13.2 kVA	16.5 kVA
Max. output current	13.4 Aac	16.7 Aac	20 Aac	25 Aac
Max. continuous GEN passthrough	30 kW, 45 Aac			
Max. continuous AC passthrough	33 kW, 50 Aac			
Power factor range	0.8 leading ~ 0.8 lagging			
Battery Data				
Battery Type	Lithium-ion/Lead-acid			
Battery voltage range	40-60 Vdc			
Max. charging and discharging current	180 Adc	220 Adc	250 Adc	290 Adc
Other Data				
Safety level	Class I			
Ingress Protection	IP65			
Operation ambient temperature	-40°C ~ +60°C (>45°C Derating)			
Software version	CB1.0			



Signature

Name: Sky Zhu

Position: Supervisor

Date: 08 September 2025

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.