Test Verification of Conformity

Verification Number: 251013098GZU-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 verification replaces previous verification number 250529100GZU-VOC001 dated: 9 Sep 2025.

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
Ratings & Principal Characteristics:	See Appendix: Test Verification of Conformity
Models/Type References:	HUA-8K3P-BL, HUA-10K3P-BL, HUA-12K3P-BL, HUA-15K3P-BL
Brand Names:	AOHAI
Specification<s>/Standards:	IEC/EN 62109-1: 2010 Safety of power converters for use in photovoltaic power systems – Part 1: General requirements IEC/EN 62109-2: 2011 Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters Low Voltage Directive 2014/35/EU
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:	14 Oct 2025 to 15 Oct 2025
Test Report Number(s):	250529100GZU-001, Revision 1: 17 Oct 2025 250529100GZU-002, Revision 1: 17 Oct 2025

Signature

Name: Elly Han
Position: Project Manager
Date: 17 Oct 2025

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 251013098GZU-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			

Signature

Name: Elly Han
Position: Project Manager
Date: 17 Oct 2025

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 251013098GZU-VOC001

Ratings & Principle Characteristics:

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	IP66			
Operation ambient temperature	-40°C ~ +60°C (>45°C Derating)			
Software version	CB1.0			

Signature

Name: Elly Han
Position: Project Manager
Date: 17 Oct 2025