

Test Verification of Conformity

Verification Number: 2509B0680SHA-V1

On the basis of the tests undertaken, the sample<s> of the below product has been tested by an a 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 Low Voltage Directive (LVD) (2014/35/EU)>legislation and mandatory Conformity Marking. And in accordance with EU / UK law, the claim is the sole obligation of the Manufacturer/ Importer.

Applicant Name & Address:	Afore New Energy Technology (Shanghai) Co., Ltd. Building 7, No.333 Wanfang Rd, Minhang District, Shanghai. China. 201112
Product Description:	PV Grid-interactive inverter
Ratings & Principal Characteristics:	See Appendix(Specifications table)
Models/Type References:	HNS1000TL-1, HNS1500TL-1, HNS2000TL-1, HNS2500TL-1, HNS3000TL-1
Brand Names:	Afore
Specification<s>/Standards:	IEC/EN 62109-1:2010 IEC/EN 62109-2:2011
Verification Issuing Office Name & Address:	Intertek Testing Services (Shanghai FTZ) Co., Ltd. Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests:	2025-09-03 to 2025-09-17
Test Report Number(s):	2509B0680SHA-001/002
Additional information in Appendix.	

Signature



Name: Max Jin

Position: General Manager

Date: 2025-09-17

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 2509B0680SHA-V1

Manufacture Name & Address: Same as applicant

Specifications table					
Model	HNS1000T L-1	HNS1500T L-1	HNS2000T L-1	HNS2500T L-1	HNS3000T L-1
PV input					
P pv Max(W)	2000	3000	4000	5000	6000
Vmax PV (Vdc) (absolute Max.)	500	500	500	500	500
Isc PV (absolute Max.) (A)	25	25	25	25	25
Number MPP trackers	1	1	1	1	1
Number input strings	1	1	1	1	1
Max. PV input current (A)	18.5	18.5	18.5	18.5	18.5
MPPT voltage range (Vdc)	50-500	50-500	50-500	50-500	50-500
Vdc range @ full power (Vdc)	60-500	90-500	120-500	150-500	170-500
AC Grid (output)					
Normal AC Voltage (VAC)	L/N/PE, 230Vac				
Frequency (Hz)	50				
Normal AC Current (A)	4.4	6.6	8.7	10.9	13.1
Max. cont. output current (A)	6	9	12	13	15
Normal Power (W)	1000	1500	2000	2500	3000
Rated Apparent Power (VA)	1000	1500	2000	2500	3000
Max. cont. Power (W)	1000	1500	2000	2500	3000
Max. cont. Apparent Power (VA)	1000	1500	2000	2500	3000
Power factor(adjustable)	1.0(-0.8~ +0.8)				
Others					
Protective class	Class I				
Ingress protection (IP)	IP66				
Temperature (°C)	-25°C to +60°C (Derating 45°C)				
Inverter Isolation	Non-isolated				
Overvoltage category	OVC III (AC Main), OVC II (PV)				
Software version	V06				

Signature



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