

Test Verification of Conformity

Verification Number: 210702461SHA-V1

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of 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>.

Applicant Name & Address:	Afore New Energy Technology (Shanghai) Co., Ltd. Building No.7, 333 Wanfang Road, Minhang District, Shanghai, China 201112
Product Description:	Utility Interactive Inverter (Non-Isolated Inverter)
Ratings & Principle Characteristics:	See appendix for details
Models/Type References:	HNS followed by 1000, 1500, 2000, 2500 or 3000; followed by TL-1.
Brand Name:	Afore
Relevant Standards:	CFR 47 Part 15 (2019) ANSI C63.4 (2014)
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of test:	2021-08-09 ~ 2021-08-31
Test Report Number(s):	210702461SHA-001

Signature



Name: Jonny Jing
Position: Manager
Date: 2021-09-01

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 210702461SHA-V1.

Manufacturing Site Name & Address: Afore New Energy Technology (Shanghai) Co., Ltd.
Building No.7, 333 Wanfang Road, Minhang District, Shanghai, China
201112

Rating table:

Rating table					
Model	HNS1000TL	HNS1500TL	HNS2000TL	HNS2500TL	HNS3000TL
	-1	-1	-1	-1	-1
PV Input:					
Vmax PV (Vdc)	500	500	500	500	500
Isc PV (absolute Max.) (A) / MPPT	18	18	18	18	18
Number MPP trackers	1	1	1	1	1
Number input strings	1	1	1	1	1
Max. PV input current(A)	14	14	14	14	14
Nominal input power (W)	1050	1550	2080	2600	3150
Operating range (Vdc)	50-500	50-500	50-500	50-500	50-500
Vdc range @ full power (Vdc)	70-500	110-500	145-500	180-500	220-500
AC Output					
Normal Voltage (Vac)	220Vac 1Φ/PE				
Frequency (Hz)	60 Hz				
Current (Max. continuous) (A)	6	9	12	13	15
Power rating (W)	1000	1500	2000	2500	3000
Power Rating (VA)	1000	1500	2000	2500	3000
Power factor/rated (adjustable)	1 (-0.8 to +0.8)				
others					
Ingress protection (IP)	NEMA 4X				
Temperature (°C)	- 25 to +60°C (Derating 45°C)				
Inverter Isolation	Non-isolated				
Overvoltage category	OVC II (PV), OVC III (AC Main)				

Signature



Name: Jonny Jing
Position: Manager
Date: 2021-09-01

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