Test Verification of Conformity

Verification Number: 210103054SHA-V1

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant CE mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	Afore New Energy Technology (Shanghai) Co., Ltd Build No.7, 333 Wanfang Road, Minhang District, Shanghai. China. 201112
Product Description: Ratings & Principle Characteristics:	PV Grid interactive inverter See Appendix
Models/Type References:	HNS1000TL-1, HNS1500TL-1, HNS2000TL-1, HNS2500TL-1, HNS3000TL-1
Brand Name:	Afore
Relevant Standards/Directives:	IEC/EN 62109-1:2010 (First Edition) IEC 62109-2:2011 the Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests: Test Report Number(s):	2021-02-15 to 2021-06-15 210103054SHA-001 210103054SHA-002

Signature

Name: Jonny Jing
Position: Manager
Date: 2021-07-16

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 210103054SHA-V1

Ratings：

Rating table			
Model	HNS1000TL-1	HNS1500TL-1	HNS2000TL-1
Input:			
Vmax PV (Vdc)	500	500	500
Isc PV (absolute Max.) (A)	18	18	18
Number MPP trackers	1	1	1
Number input strings	1	1	1
Max. PV input current(A)	14	14	14
MPPT voltage range (Vdc)	50-500	50-500	50-500
Vdc range @ full power (Vdc)	70-500	110-500	145-500
Output			
Normal Voltage(V)	L/N/PE 220Vac, 230Vac, 240Vac		
Frequency (Hz)	50 Hz/60Hz		
Current (normal) (A)	4.4	6.6	8.7
Current (Max. continuous) (A)	6	9	12
Power rating (W)	1000	1500	2000
Power Rating (VA)	1000	1500	2000
Power factor /rated	1(-0,8~0,8 adjustable)	1(-0,8~0,8 adjustable)	1(-0,8~0,8 adjustable)
others			
Protective class	Class I		
Ingress protection (IP)	IP 65		
Temperature (℃)	-25°C to +60°C (up 45°C derating)		
Inverter Isolation	Non-isolated		
Overvoltage category	OVC III (AC Main), OVC II (PV)		
Weight (kg)	6		
Dimensions (WxHxD) (mm)	260 x 280 x 116		

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Rating table			
Model	HNS2500TL-1	HNS3000TL-1	
Input:			
Vmax PV (Vdc)	500	500	
Isc PV (absolute Max.) (A)	18	18	
Number MPP trackers	1	1	
Number input strings	1	1	
Max. PV input current(A)	14	14	
MPPT voltage range (Vdc)	50-500	50-500	
Vdc range @ full power (Vdc)	180-500	220-500	
Output			
Normal Voltage(V)	L/N/PE 220Vac, 230Vac, 240Vac		
Frequency (Hz)	50 Hz/60Hz		
Current (normal) (A)	10.9	13.1	
Current (Max. continuous) (A)	13	15	
Power rating (W)	2500	3000	
Power Rating (VA)	2500	3000	
Power factor /rated	1(-0,8~0,8 adjustable)	1(-0,8~0,8 adjustable)	
others			
Protective class	Class I		
Ingress protection (IP)	IP 65		
Temperature (℃)	-25°C to +60°C (up 45°C derating)		
Inverter Isolation	Non-isolated		
Overvoltage category	OVC III (AC Main), OVC II (PV)		
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