

Attestation of Conformity

Attestation No: SHA-AoC-230013

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

Factory 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

Brand Name: Afore

Model: HNS1000TL-1, HNS1500TL-1, HNS2000TL-1, HNS2500TL-1, HNS3000TL-1

Characteristics: See appendix for details

Standards: EN 62109-1:2010; EN 62109-2:2011;
EU Directive: the Low Voltage Directive (LVD) (2014/35/EU)

Test Report No: 230601217SHA-001, 230601217SHA-002

Issued by: Intertek Testing Services Ltd. Shanghai

Issue date: 2023-08-21

This is to attest that the Technical Construction File for the product listed above has been evaluated against the Essential Safety Requirements of Annex I of the Low Voltage Directive (2014/35/EU). This Attestation can be used in support of the Manufacturers Declaration of Conformity on affixing the CE mark. Product conformity to CE marking is not assured until all other applicable EU Regulations are met in full.

Signature 

Name: Qiao Qiao



APPENDIX: Attestation of Conformity

Ratings & Principle Characteristics:

Specifications 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 230Vac		
Frequency (Hz)	50 Hz		
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 (°C)	-25°C to +60°C (up 45°C derating)		
Inverter Isolation	Non-isolated		
Overvoltage category	OVC III (AC Main), OVC II (PV)		
Software Version	V06		

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APPENDIX: Attestation of Conformity

Ratings & Principle Characteristics:

Specifications 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 230Vac		
Frequency (Hz)	50 Hz		
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 (°C)	-25°C to +60°C (up 45°C derating)		
Inverter Isolation	Non-isolated		
Overvoltage category	OVC III (AC Main), OVC II (PV)		
Software Version	V06		

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