

# Attestation of Conformity

**Attestation No:**                   **SHA-AoC-230016**

**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 IEC 61000-6-1:2019; EN IEC 61000-6-3:2021;  
EN IEC 61000-3-2:2019+A1:2021; EN 61000-3-12:2011;  
EN 61000-3-3:2013+A1:2019+A2:2021;  
EN IEC 61000-3-11:2019

**EU Directive:**                   the EMC Directive 2014/30/EU

**Test Report No:**                   230601234SHA-001

**Issued by:**                   Intertek Testing Services Ltd. Shanghai

**Issue date:**                   2023-08-28

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 EMC Directive (2014/30/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 UK Regulations are met in full.

**Signature** 

**Name: Gary Hu**

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## APPENDIX: Attestation of Conformity

### Ratings & Principle Characteristics:

Specifications table			
Model	HNS1000TL-1	HNS1500TL-1	HNS2000TL-1
<b>Input:</b>			
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
<b>Output</b>			
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)
<b>others</b>			
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	
<b>Input:</b>			
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	
<b>Output</b>			
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)	
<b>others</b>			
Protective class	Class I		
Ingress protection (IP)	IP 65		
Temperature (°C)	-25°C to +60°C (up 45°C derating)		
Inverter Isolation	Non-isolated		
Oversvoltage category	OVC III (AC Main), OVC II (PV)		
Software Version	V06		

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