

Certificate of Conformity

Certificate Number: CN-PV-220051

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. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:	Afore New Energy Technology (Shanghai)Co., Ltd. Build No.7, 333 Wanfang Road, Minhang District, Shanghai. China. 201112
Product:	Grid-connected PV inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	HNS1000TL-1, HNS1500TL-1, HNS2000TL-1, HNS2500TL-1, HNS3000TL-1
Brand Name<s>:	Afore
Product Complies with:	C10/11:2021 SPECIFIC TECHNICAL PRESCRIPTIONS REGARDING POWER-GENERATING PLANTS OPERATING IN PARALLEL TO THE DISTRIBUTION NETWORK Type approved for type A
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	220201841SHA-001

Additional information in Appendix.

Signature



Certification Manager: Qiao Qiao

Date: 11 March 2022



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220051

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 (V)	70-500	110-500	145-500
Output			
Normal Voltage(V)	L/N/PE 220Vac, 230Vac, 240Vac		
Frequency (Hz)	50 Hz/60 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
Max. apparent Power (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:	DSP: V06 CPLD: V06 HMI: V06		

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Specifications table			
Model	HNS2500TL-1	HNS3000TL-1	
Input:			
V _{max} PV (Vdc)	500	500	
I _{sc} 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/60 Hz		
Current (normal) (A)	10.9	13.1	
Current (Max. continuous) (A)	13	15	
Power rating (W)	2500	3000	
Power Rating (VA)	2500	3000	
Max. apparent Power (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:	DSP: V06 CPLD: V06 HMI: V06		

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