

Certificate of Conformity

Certificate Number: CN-PV-230314

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, HNS3000TL, HNS3600TL-1, HNS3600TL
Brand Name<s>:	Afore
Product Complies with:	G98 Issue 1 Amendment 7, 3 October 2022 Requirements for the connection of Fully Type Tested Micro-generators (up to and including 16 A per phase) in parallel with public Low Voltage Distribution Networks
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>:	230501663SHA-001

Additional information in Appendix.



Signature

Certification Manager: Qiao Qiao

Date: 07 June 2023



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230314

Ratings & Principle Characteristics:

Specifications table				
Model	HNS1000TL-1	HNS1500TL-1	HNS2000TL-1	HNS2500TL-1
PV input				
Vmax PV (Vdc) (absolute Max.)	500	500	500	500
Isc PV (absolute Max.) (A)	18	18	18	18
Number MPP trackers	1	1	1	1
Number input strings	1	1	1	1
Max. PV input current (A)	14	14	14	14
MPPT voltage range (Vdc)	50-500	50-500	50-500	50-500
Vdc range @ full power (Vdc)	70-500	110-500	145-500	180-500
AC Grid (output)				
Normal AC Voltage (VAC)	L/N/PE, 230Vac			
Frequency (Hz)	50			
Normal AC Current (A)	4.4	6.6	8.7	10.9
Max. cont. output current (A)	6	9	12	13
Normal Power (W)	1000	1500	2000	2500
Rated Apparent Power (VA)	1000	1500	2000	2500
Max. cont. Power (W)	1000	1500	2000	2500
Max. cont. Apparent Power (VA)	1000	1500	2000	2500
Power factor(adjustable)	1.0(-0.8~ +0.8)			
Others				
Protective class	Class I			
Ingress protection (IP)	IP65			
Temperature (°C)	-25°C to +60°C			
Inverter Isolation	Non-isolated			
Overvoltage category	OVC III (AC Main), OVC II (PV)			
Software version	V06			

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Ratings & Principle Characteristics:

Model	HNS3000TL-1	HNS3000TL	HNS3600TL-1	HNS3600TL
PV input				
Vmax PV (Vdc) (absolute Max.)	500	600	600	600
Isc PV (absolute Max.) (A)	18	18 x 2	18	18 x 2
Number MPP trackers	1	2	1	2
Number input strings	1	1/1	1	1/1
Max. PV input current (A)	14	14 x 2	14	14 x 2
MPPT voltage range (Vdc)	50-500	70-550	70-550	70-550
Vdc range @ full power (Vdc)	220-500	110-550	265-550	130-550
AC Grid (output)				
Normal AC Voltage (VAC)	L/N/PE, 230Vac			
Frequency (Hz)	50			
Normal AC Current (A)	13.1	13.1	15.7	15.7
Max. cont. output current (A)	15	15	17.5	17.5
Normal Power (W)	3000	3000	3600	3600
Rated Apparent Power (VA)	3000	3000	3600	3600
Max. cont. Power (W)	3000	3000	3600	3600
Max. cont. Apparent Power (VA)	3000	3000	3600	3600
Power factor(adjustable)	1.0(-0.8~ +0.8)			
Others				
Protective class	Class I			
Ingress protection (IP)	IP65			
Temperature (°C)	-25°C to +60°C			
Inverter Isolation	Non-isolated			
Overvoltage category	OVC III (AC Main), OVC II (PV)			
Software version	V06			

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