

Certificate of Conformity

Certificate Number: CN-PVES-260162

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. Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China. 201112
Product:	Grid-interactive inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	HNS3000TL, HNS3600TL-1, HNS3600TL, HNS4000TL, HNS4950TL, HNS5000TL, HNS6000TL, HNS7000TL, HNS7500TL, HNS8000TL, HNS9000TL, HNS10000TL
Brand Name<s>:	Afore
Product Complies with:	EN 50549-1:2019+A1:2023 conjunction with EN 50549-10:2022
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>:	2602B0579SHA-001

Additional information in Appendix.

Signature



Certification Manager: Qiao Qiao

Date: 18 May 2026



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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-260162

Specifications table				
Model	HNS3000TL	HNS3600TL-1	HNS3600TL	HNS4000TL
PV input				
P _{pv} Max(W)	6000	7200	7200	8000
V _{max} PV (Vdc) (absolute Max.)	600	600	600	600
I _{sc} PV (absolute Max.) (A)	25 x 2	25	25 x 2	25 x 2
Number MPP trackers	2	1	2	2
Number input strings	1/1	1	1/1	1/1
Max. PV input current (A)	18.5 x 2	18.5	18.5 x 2	18.5 x 2
MPPT voltage range (Vdc)	70-550	70-550	70-550	70-550
AC Grid (output)				
Normal AC Voltage (VAC)	L/N/PE, 230Vac			
Frequency (Hz)	50			
Normal AC Current (A)	13.1	15.7	15.7	17.4
Max. cont. output current (A)	15	17.5	17.5	20
Normal Power (W)	3000	3600	3600	4000
Rated Apparent Power (VA)	3000	3600	3600	4000
Max. cont. Power (W)	3000	3600	3600	4000
Max. cont. Apparent Power (VA)	3000	3600	3600	4000
Power factor(adjustable)	1.0(-0.8~ +0.8)			
Others				
Protective class	Class I			
Ingress protection (IP)	IP66			
Temperature (°C)	-25°C to +60°C (Derating 45°C)			
Inverter Isolation	Non-isolated			
Overvoltage category	OVC III (AC Main), OVC II (PV)			
Software version	V06			

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Specifications table				
Model	HNS4950TL	HNS5000TL	HNS6000TL	HNS7000TL
PV input				
P _{pv} Max(W)	9000	10000	12000	14000
V _{max} PV (Vdc) (absolute Max.)	600	600	600	600
I _{sc} PV (absolute Max.) (A)	25 x 2	25 x 2	25 x 2	25+35
Number MPP trackers	2	2	2	2
Number input strings	1/1	1/1	1/1	1/2
Max. PV input current (A)	18.5 x 2	18.5 x 2	18.5 x 2	18.5+26
MPPT voltage range (Vdc)	70-550	70-550	70-550	70-550
AC Grid (output)				
Normal AC Voltage (VAC)	L/N/PE, 230Vac			
Frequency (Hz)	50			
Normal AC Current (A)	21.6	21.8	26.1	30.5
Max. cont. output current (A)	24	24	28.7	33.6
Normal Power (W)	4950	5000	6000	7000
Rated Apparent Power (VA)	4950	5000	6000	7000
Max. cont. Power (W)	4950	5000	6000	7000
Max. cont. Apparent Power (VA)	4950	5000	6000	7000
Power factor(adjustable)	1.0(-0.8~ +0.8)			
Others				
Protective class	Class I			
Ingress protection (IP)	IP66			
Temperature (°C)	-25°C to +60°C (Derating 45°C)			
Inverter Isolation	Non-isolated			
Overvoltage category	OVC III (AC Main), OVC II (PV)			
Software version	V06			

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Specifications table				
Model	HNS7500TL	HNS8000TL	HNS9000TL	HNS10000TL
PV input				
P _{pv} Max(W)	15000	16000	18000	20000
V _{max} PV (Vdc) (absolute Max.)	600	600	600	600
I _{sc} PV (absolute Max.) (A)	25+35	25+35	35 x 2	35 x 2
Number MPP trackers	2	2	2	2
Number input strings	1/2	1/2	2/2	2/2
Max. PV input current (A)	18.5+26	18.5+26	26 x 2	26 x 2
MPPT voltage range (Vdc)	70-550	70-550	70-550	70-550
AC Grid (output)				
Normal AC Voltage (VAC)	L/N/PE, 230Vac			
Frequency (Hz)	50			
Normal AC Current (A)	32.7	34.8	39.2	43.5
Max. cont. output current (A)	36.0	38.3	45	50
Normal Power (W)	7500	8000	9000	10000
Rated Apparent Power (VA)	7500	8000	9000	10000
Max. cont. Power (W)	7500	8000	9000	10000
Max. cont. Apparent Power (VA)	7500	8000	9000	10000
Power factor(adjustable)	1.0(-0.8~ +0.8)			
Others				
Protective class	Class I			
Ingress protection (IP)	IP66			
Temperature (°C)	-25°C to +60°C (Derating 45°C)			
Inverter Isolation	Non-isolated			
Overvoltage category	OVC III (AC Main), OVC II (PV)			
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