

Certificate of Conformity

Certificate Number: CN-PV-230665

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-connected PV inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	HNS3000TL, HNS3600TL-1, HNS3600TL, HNS4000TL, HNS5000TL, HNS6000TL, HNS7000TL, HNS8000TL, HNS9000TL, HNS10000TL
Brand Name<s>:	Afore
Product Complies with:	IEC 61727:2004 IEC 62116:2014
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>:	230900414SHA-001

Additional information in Appendix.

Signature



Certification Manager: Qiao Qiao
Date: 24 November 2023



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230665

Ratings & Principle Characteristics:

Specifications table					
Model	HNS3000T L	HNS3600T L-1	HNS3600T L	HNS4000T L	HNS5000T L
PV input					
P _{pv} Max(W)	4500	5400	5400	6000	7000
V _{max} PV (Vdc) (absolute Max.)	600	600	600	600	600
I _{sc} PV (absolute Max.) (A)	18 x 2	18	18 x 2	18 x 2	18 x 2
Number MPP trackers	2	1	2	2	2
Number input strings	1/1	1	1/1	1/1	1/1
Max. PV input current (A)	14 x 2	14	14 x 2	14 x 2	14 x 2
MPPT voltage range (Vdc)	70-550	70-550	70-550	70-550	70-550
Vdc range @ full power (Vdc)	110-550	265-550	130-550	145-550	180-550
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	21.8
Max. cont. output current (A)	15	17.5	17.5	20	24
Normal Power (W)	3000	3600	3600	4000	5000
Rated Apparent Power (VA)	3000	3600	3600	4000	5000
Max. cont. Power (W)	3000	3600	3600	4000	5000
Max. cont. Apparent Power (VA)	3000	3600	3600	4000	5000
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)				

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Ratings & Principle Characteristics:

Specifications table					
Model	HNS6000T L	HNS7000T L	HNS8000T L	HNS9000T L	HNS10000 TL
PV input					
P pv Max(W)	8400	9800	11200	12600	14000
Vmax PV (Vdc) (absolute Max.)	600	600	600	600	600
Isc PV (absolute Max.) (A)	18 x 2	18+35	18+35	35 x 2	35 x 2
Number MPP trackers	2	2	2	2	2
Number input strings	1/1	1/2	1/2	2/2	2/2
Max. PV input current (A)	14 x 2	14+26	14+26	26 x 2	26 x 2
MPPT voltage range (Vdc)	70-550	70-550	70-550	70-550	70-550
Vdc range @ full power (Vdc)	220-550	220-550	220-550	220-550	220-550
AC Grid (output)					
Normal AC Voltage (VAC)	L/N/PE, 230Vac				
Frequency (Hz)	50				
Normal AC Current (A)	26.1	30.5	34.8	39.2	43.5
Max. cont. output current (A)	28.7	33.6	38.3	45	50
Normal Power (W)	6000	7000	8000	9000	10000
Rated Apparent Power (VA)	6000	7000	8000	9000	10000
Max. cont. Power (W)	6000	7000	8000	9000	10000
Max. cont. Apparent Power (VA)	6000	7000	8000	9000	10000
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)				

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