

# Certificate of Conformity

Certificate Number: CN-PV-220136

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.

<b>Applicant:</b>	Afore New Energy Technology (Shanghai)Co., Ltd. Build No.7, 333 Wanfang Road, Minhang District, Shanghai. China. 201112
<b>Product:</b>	Grid-connected PV inverter
<b>Ratings &amp; Principle Characteristics:</b>	See appendix of Certificate of Conformity
<b>Model:</b>	HNS4000TL, HNS5000TL, HNS6000TL, HNS7000TL, HNS8000TL, HNS9000TL, HNS10000TL
<b>Brand Name&lt;s&gt;:</b>	Afore
<b>Product Complies with:</b>	G99 Issue 1 Amendment 8, 1 September 2021
<b>Certificate Issuing Office Name &amp; Address:</b>	Intertek Testing Services Ltd. Shanghai West Area, 2 <sup>nd</sup> Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by China National Accreditation Service for Conformity Assessment (CNAS C058-P) in accordance with ISO/IEC 17065:2012
<b>Test Report No.&lt;s&gt;:</b>	220700014SHA-001

Certification procedure: SMS-PV-OP-19  
Product certification scheme type: Type test

Additional information in Appendix.



Signature

Certification Manager: Qiao Qiao

Date: 11 July 2022



中国认可  
国际互认  
产品  
PRODUCT  
CNAS C058-P

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220136

Ratings &  
Principle  
Characteristics:

Specifications table				
Model	HNS4000TL	HNS5000TL	HNS6000TL	HNS7000TL
<b>Input:</b>				
Vmax PV (Vdc)	600	600	600	600
Isc PV (absolute Max.) (A)	18 x 2	18 x 2	18 x 2	18+35
Number MPP trackers	2	2	2	2
Number input strings	1/1	1/1	1/1	1/2
Max. PV input current(A)	14 x 2	14 x 2	14 x 2	14+26
MPPT voltage range (Vdc)	70-550	70-550	70-550	70-550
Vdc range @ full power (Vdc)	145-550	180-550	220-550	220-550
<b>Output</b>				
Normal Voltage(V)	L/N/PE, 220/230/240Vac			
Frequency (Hz)	50/60Hz			
Current (normal) (A)	17.4	21.8	26.1	30.5
Current (Max. continuous) (A)	20	24	28.7	33.6
Power rating (W)	4000	5000	6000	7000
Power Rating (VA)	4000	5000	6000	7000
Power factor /rated	1 (-0,8~+0,8 adjustable)			
<b>others</b>				
Protective class	Class I			
Ingress protection (IP)	IP 65			
Temperature (°C)	-25 ~ +60°C (Derating 45°C)			
Inverter Isolation	Non-isolated			

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Specifications table			
Model	HNS8000TL	HNS9000TL	HNS10000TL
<b>Input:</b>			
Vmax PV (Vdc)	600	600	600
Isc PV (absolute Max.) (A)	18+35	35 x 2	35 x 2
Number MPP trackers	2	2	2
Number input strings	1/2	2/2	2/2
Max. PV input current(A)	14+26	26 x 2	26 x 2
MPPT voltage range (Vdc)	70-550	70-550	70-550
Vdc range @ full power (Vdc)	220-550	220-550	220-550
<b>Output</b>			
Normal Voltage(V)	L/N/PE, 220/230/240Vac		
Frequency (Hz)	50/60Hz		
Current (normal) (A)	34.8	39.2	43.5
Current (Max. continuous) (A)	38.3	45	50
Power rating (W)	8000	9000	10000
Power Rating (VA)	8000	9000	10000
Power factor /rated	1 (-0,8~+0,8 adjustable)		
<b>others</b>			
Protective class	Class I		
Ingress protection (IP)	IP 65		
Temperature (°C)	-25 ~ +60°C (Derating 45°C)		
Inverter Isolation	Non-isolated		

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