

# Test Verification of Conformity

Verification Number: 201201982SHA-V3

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. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

Applicant Name & Address:	Afore New Energy Technology (Shanghai)Co., Ltd. Build No.7, 333 Wanfang Road, Minhang District, Shanghai, 201112, China
Product Description:	Grid-connected PV inverter
Ratings & Principle Characteristics:	See Appendix(Specifications table)
Models/Type References:	See Appendix(Specifications table)
Brand Name:	Afore
Relevant Standards:	EN 50549-1:2019 Requirements for the connection of generation equipment in parallel with public distribution networks Compliant with COMMISSION REGULATION (EU) 2016/631 (NC RfG)
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests:	2021-01-06 to 2021-01-18
Test Report Number(s):	201201982SHA-003
Additional information in Appendix.	

## Signature



**Name: Jonny Jing**  
**Position: Manager**  
**Date: 2021-01-18**

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 201201982SHA-V3

Manufacturer: Same as applicant

Specifications table			
Model	HNS1000TL-1	HNS1500TL-1	HNS2000TL-1
<b>Input:</b>			
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 (Vdc)	70-500	110-500	145-500
<b>Output</b>			
Normal Voltage(V)	1 $\phi$ /N/PE 230Vac		
Frequency(Hz)	50 Hz		
Current (normal) ( A)	4.3	6.5	8.7
Current (Max. continuous) ( A)	6	9	12
Power rating (W)	1000	1500	2000
Power Rating(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)
<b>others</b>			
Protective class	Class I		
Ingress protection (IP)	IP 65		
Temperature( $^{\circ}$ C)	-25 $^{\circ}$ C to +60 $^{\circ}$ C ( up 45 $^{\circ}$ C derating )		
Inverter Isolation	Non-isolated		
Weight (kg)	5.1kg		
Dimensions (WxHxD) (mm)	278x261x118		

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<b>Specifications table</b>			
<b>Model</b>	<b>HNS2500TL-1</b>	<b>HNS3000TL-1</b>	<b>HNS3600TL-1</b>
<b>Input:</b>			
Vmax PV (Vdc)	500	500	550
Isc PV (absolute Max.) (A)	18	18	27.5
Number MPP trackers	1	1	1
Number input strings	1	1	1
Max. PV input current(A)	14	14	22
MPPT voltage range (Vdc)	50-500	50-500	50-500
Vdc range @ full power (Vdc)	180-500	220-500	260-500
<b>Output</b>			
Normal Voltage(V)	1 $\phi$ /N/PE 230Vac		
Frequency(Hz)	50 Hz		
Current (normal) ( A)	10.9	13	15.7
Current (Max. continuous) ( A)	13	15	16
Power rating (W)	2500	3000	3600
Power Rating(VA)	2500	3000	3600
Power factor /rated	1(-0.8~+0.8 adjustable)	1(-0.8~+0.8 adjustable)	1(-0.8~+0.8 adjustable)
<b>others</b>			
Protective class	Class I		
Ingress protection (IP)	IP 65		
Temperature(°C)	-25°C to +60°C (up 45°C derating)		
Inverter Isolation	Non-isolated		
Weight (kg)	5.3kg		
Dimensions (WxHxD) (mm)	278x261x118		

**Signature**



**Name: Jonny Jing**

**Position: Manager**

**Date: 2021-01-18**

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