

Test Verification of Conformity

Verification Number: 200300616SHA-V2

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. 1st &2nd Floor, B Building, Business Building, No.2 Building, No.1588, Lianhang road, Minhang District, Shanghai, 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
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests:	2020-01-06 to 2020-03-20
Test Report Number(s):	200300616SHA-002
Additional information in Appendix.	

Signature



Name: Jonny Jing

Position: Manager

Date: 2020-03-27

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 200300616SHA-V2

Manufacturer: Same as applicant

Specifications table				
Model	HNS3000TL	HNS3600TL	HNS4000TL	HNS5000TL
Input:				
Vmax PV (Vdc)	600	600	600	600
Isc PV (absolute Max.) (A)	18*2	18*2	18*2	18*2
Number MPP trackers	2	2	2	2
Number input strings	1/1	1/1	1/1	1/1
Max. PV input current(A)	14*2	14*2	14*2	14*2
MPPT voltage range (Vdc)	70-550	70-550	70-550	70-550
Vdc range @ full power (Vdc)	110-550	130-550	145-550	180-550
Output				
Normal Voltage(V)	<input checked="" type="checkbox"/> 1φ/N/PE 230Vac <input type="checkbox"/> 3φ/N/PE 400Vac			
Frequency(Hz)	<input checked="" type="checkbox"/> 50 Hz <input type="checkbox"/> 60Hz			
Current (normal) (A)	13.1	15.7	17.4	21.8
Current (Max. continuous) (A)	15	16	20	23
Power rating (W)	3000	3600	4000	5000
Power Rating(VA)	3000	3600	4000	5000
Power factor /rated	1(-0.8~+0.8 adjustable)	1(-0.8~+0.8 adjustable)	1(-0.8~+0.8 adjustable)	1(-0.8~+0.8 adjustable)
others				
Protective class	Class I			
Ingress protection (IP)	IP 65			
Temperature(°C)	-25°C to +60°C (up 45°C derating)			
Inverter Isolation	<input checked="" type="checkbox"/> Non-isolated <input type="checkbox"/> High frequency isolated			
Weight (kg)	12			
Dimensions (WxHxD) (mm)	395*345*170			

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Specifications table			
Model	HNS6000TL	HNS7000TL	HNS8000TL
Input:			
Vmax PV (Vdc)	600	600	600
Isc PV (absolute Max.) (A)	18*2	35+18	35+18
Number MPP trackers	2	2	2
Number input strings	1/1	2/1	2/1
Max. PV input current(A)	14*2	28+14	28+14
MPPT voltage range (Vdc)	70-550	70-550	70-550
Vdc range @ full power (Vdc)	220-550	180-550	200-550
Output			
Normal Voltage(V)	<input checked="" type="checkbox"/> 1 ϕ /N/PE 230Vac <input type="checkbox"/> 3 ϕ /N/PE 400Vac		
Frequency(Hz)	<input checked="" type="checkbox"/> 50 Hz <input type="checkbox"/> 60Hz		
Current (normal) (A)	26.1	30.5	34.8
Current (Max. continuous) (A)	27	32	35.5
Power rating (W)	6000	7000	8000
Power Rating(VA)	6000	7000	8000
Power factor /rated	1(-0.8~+0.8 adjustable)	1(-0.8~+0.8 adjustable)	1(-0.8~+0.8 adjustable)
others			
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	<input checked="" type="checkbox"/> Non-isolated <input type="checkbox"/> High frequency isolated		
Weight (kg)	17		
Dimensions (WxHxD) (mm)	460*345*170		

Signature



Name: Jonny Jing

Position: Manager

Date: 2020-03-27

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