

Test Verification of Conformity

Verification Number: 200300616SHA-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. 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 2020-02-29
Test Report Number(s):	200300616SHA-003
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-V3

Manufacturer: Same as applicant

Specifications table			
Model	BNT003KTL	BNT004KTL	BNT005KTL
Input:			
Vmax PV (Vdc)	1000	1000	1000
Isc PV (absolute Max.) (A)	24*2	24*2	24*2
Number MPP trackers	2	2	2
Number input strings	1/1	1/1	1/1
Max. PV input current(A)	15*2	15*2	15*2
MPPT voltage range (Vdc)	150-850	150-850	150-850
Vdc range @ full power (Vdc)	200-850	200-850	200-850
Output			
Normal Voltage(V)	<input type="checkbox"/> 1φ/N/PE 230Vac <input checked="" type="checkbox"/> 3 φ /N/PE 230/400Vac		
Frequency (Hz)	<input checked="" type="checkbox"/> 50 Hz <input type="checkbox"/> 60Hz		
Current (normal) (A)	4.4	5.8	7.3
Current (Max. continuous) (A)	5.3	7	8.5
Power rating (W)	3000W	4000W	5000W
Power Rating (VA)	3000VA	4000VA	5000VA
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 (°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)	15		
Dimensions (WxHxD) (mm)	400x345x170		

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Specifications table			
Model	BNT006KTL	BNT008KTL	BNT010KTL
Input:			
Vmax PV (Vdc)	1000	1000	1000
Isc PV (absolute Max.) (A)	24*2	24*2	24*2
Number MPP trackers	2	2	2
Number input strings	1/1	1/1	1/1
Max. PV input current(A)	15*2	15*2	15*2
MPPT voltage range (Vdc)	150-850	150-850	150-850
Vdc range @ full power (Vdc)	250-850	300-850	500-850
Output			
Normal Voltage(V)	<input type="checkbox"/> 1φ/N/PE 230Vac <input checked="" type="checkbox"/> 3 φ /N/PE 230/400Vac		
Frequency (Hz)	<input checked="" type="checkbox"/> 50 Hz <input type="checkbox"/> 60Hz		
Current (normal) (A)	8.7	11.6	14.5
Current (Max. continuous) (A)	10.5	13.5	17
Power rating (W)	6000W	7000W	8000W
Power Rating (VA)	6000VA	7000VA	8000VA
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 (°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)	15	17	
Dimensions (WxHxD) (mm)	400x345x170	460x345x170	

Signature



Name: Jonny Jing

Position: Manager

Date: 2020-03-27

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