

# Test Verification of Conformity

Verification Number: 230900424SHA-V1

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant **CE** mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	Afore New Energy Technology (Shanghai) Co., Ltd. Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China. 201112
Product Description: Ratings & Principle Characteristics:	Grid-connected PV inverter See Appendix
Models/Type References:	BNT003KTL, BNT004KTL, BNT005KTL, BNT006KTL, BNT008KTL, BNT010KTL, BNT012KTL, BNT013KTL, BNT015KTL, BNT017KTL, BNT020KTL, BNT025KTL
Brand Name:	Afore
Relevant Standards/Directives:	IEC 61683:1999
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests: Test Report Number(s):	2023-09-13 to 2024-03-25 230900424SHA-001

Signature



**Name: Max Jin**

**Position: General Manager**

**Date: 2024-03-25**

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 230900424SHA-V1

Ratings:

Specifications table				
Model	BNT003KTL	BNT004KTL	BNT005KTL	BNT006KTL
<b>PV input</b>				
P <sub>pv</sub> Max(kW)	5.1	6	7.5	9
V <sub>max</sub> PV (Vdc) (absolute Max.)	1100	1100	1100	1100
I <sub>sc</sub> PV (absolute Max.) (A)	25 x 2	25 x 2	25 x 2	25 x 2
Number MPP trackers	2	2	2	2
Number input strings	1/1	1/1	1/1	1/1
Max. PV input current (A)	15 x 2	15 x 2	15 x 2	15 x 2
MPPT voltage range (Vdc)	150-1000	150-1000	150-1000	150-1000
Vdc range @ full power (Vdc)	200-850	200-850	200-850	250-850
<b>AC Grid (output)</b>				
Normal AC Voltage (VAC)	3P+N+PE/3P+PE 230/400			
Frequency (Hz)	50			
Normal AC Current (A)	4.4	5.8	7.3	8.7
Max. cont. output current (A)	5.3	7	8.5	10.5
Normal Power (kW)	3	4	5	6
Rated Apparent Power (kVA)	3	4	5	6
Max. cont. Power (kW)	3	4	5	6
Max. cont. Apparent Power (kVA)	3	4	5	6
Power factor(adjustable)	1.0( -0.8~ +0.8)			
<b>Others</b>				
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:

Model	Specifications table			
	BNT008KTL	BNT010KTL	BNT012KTL	BNT013KTL
<b>PV input</b>				
P <sub>pv</sub> Max(kW)	12	15	18	19.5
V <sub>max</sub> PV (Vdc) (absolute Max.)	1100	1100	1100	1100
I <sub>sc</sub> PV (absolute Max.) (A)	25 x 2	25 x 2	25 x 2	25 x 2
Number MPP trackers	2	2	2	2
Number input strings	1/1	1/1	1/1	1/1
Max. PV input current (A)	15 x 2	15 x 2	15 x 2	15 x 2
MPPT voltage range (Vdc)	150-1000	150-1000	150-1000	150-1000
Vdc range @ full power (Vdc)	300-850	500-850	500-850	500-850
<b>AC Grid (output)</b>				
Normal AC Voltage (VAC)	3P+N+PE/3P+PE 230/400			
Frequency (Hz)	50			
Normal AC Current (A)	11.6	14.5	17.4	18.9
Max. cont. output current (A)	13.5	17	21.5	22
Normal Power (kW)	8	10	12	13
Rated Apparent Power (kVA)	8	10	12	13
Max. cont. Power (kW)	8	10	12	13
Max. cont. Apparent Power (kVA)	8	10	12	13
Power factor(adjustable)	1.0(-0.8~ +0.8)			
<b>Others</b>				
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:

Specifications table				
Model	BNT015KTL	BNT017KTL	BNT020KTL	BNT025KTL
<b>PV input</b>				
P pv Max(kW)	22.5	25.5	30	37.5
Vmax PV (Vdc) (absolute Max.)	1100	1100	1100	1100
Isc PV (absolute Max.) (A)	30 + 48	48 x 2	48 x 2	48 x 2
Number MPP trackers	2	2	2	2
Number input strings	1/2	2/2	2/2	2/2
Max. PV input current (A)	20 + 32	32 x 2	32 x 2	32 x 2
MPPT voltage range (Vdc)	150-1000	150-1000	150-1000	150-1000
Vdc range @ full power (Vdc)	500-850	500-850	500-850	500-850
<b>AC Grid (output)</b>				
Normal AC Voltage (VAC)	3P+N+PE/3P+PE 230/400			
Frequency (Hz)	50			
Normal AC Current (A)	21.8	24.7	29	36.3
Max. cont. output current (A)	27	30	32	40
Normal Power (kW)	15	17	20	25
Rated Apparent Power (kVA)	15	17	20	25
Max. cont. Power (kW)	15	17	20	25
Max. cont. Apparent Power (kVA)	15	17	20	25
Power factor(adjustable)	1.0(-0.8~ +0.8)			
<b>Others</b>				
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)			

Signature



Name: Max Jin

Position: General Manager

Date: 2024-03-25

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