

Certificate of Conformity

Certificate Number: CN-PV-230666

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.

Applicant:	Afore New Energy Technology (Shanghai) Co., Ltd. Building 7, No.333 Wanfang Rd, Minhang District, Shanghai. China.201112
Product:	Grid-connected PV inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	BNT003KTL, BNT004KTL, BNT005KTL, BNT006KTL, BNT008KTL, BNT010KTL, BNT012KTL, BNT013KTL, BNT015KTL, BNT017KTL, BNT020KTL, BNT025KTL
Brand Name<s>:	Afore
Product Complies with:	IEC 61727:2004 IEC 62116:2014
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	230900417SHA-001

Additional information in Appendix.



Signature

Certification Manager: Qiao Qiao
Date: 24 November 2023



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230666

Ratings & Principle Characteristics:

Specifications table				
Model	BNT003KTL	BNT004KTL	BNT005KTL	BNT006KTL
PV input				
P _{pv} Max(kW)	5.1	6	7.5	9
V _{max} PV (Vdc) (absolute Max.)	1100	1100	1100	1100
I _{sc} 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
AC Grid (output)				
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)			
Others				
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 & Principle Characteristics:

Specifications table				
Model	BNT008KTL	BNT010KTL	BNT012KTL	BNT013KTL
PV input				
P _{pv} Max(kW)	12	15	18	19.5
V _{max} PV (Vdc) (absolute Max.)	1100	1100	1100	1100
I _{sc} 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
AC Grid (output)				
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)			
Others				
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 & Principle Characteristics:

Specifications table				
Model	BNT015KTL	BNT017KTL	BNT020KTL	BNT025KTL
PV input				
P _{pv} Max(kW)	22.5	25.5	30	37.5
V _{max} PV (Vdc) (absolute Max.)	1100	1100	1100	1100
I _{sc} 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
AC Grid (output)				
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)			
Others				
Protective class	Class I			
Ingress protection (IP)	IP65			
Temperature (°C)	-25°C to +60°C			
Inverter Isolation	Non-isolated			
Overtoltage category	OVC III (AC Main), OVC II (PV)			

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