

# Certificate of Conformity

Certificate Number: CN-PVES-260016

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.

<b>Applicant:</b>	Afore New Energy Technology (Shanghai) Co., Ltd. Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China. 201112
<b>Product:</b>	Grid-interactive inverter
<b>Ratings &amp; Principal Characteristics:</b>	See appendix of Certificate of Conformity
<b>Model:</b>	BNT003KTA, BNT004KTA, BNT005KTA, BNT006KTA, BNT008KTA, BNT010KTA, BNT012KTA, BNT015KTA, BNT003KTL, BNT004KTL, BNT005KTL, BNT006KTL, BNT008KTL, BNT010KTL, BNT012KTL, BNT013KTL, BNT015KTL, BNT017KTL, BNT020KTL, BNT025KTL
<b>Brand Name&lt;s&gt;:</b>	Afore
<b>Product Complies with:</b>	EN 50549-1:2019+A1:2023 conjunction with EN 50549-10:2022
<b>Certificate Issuing Office Name &amp; Address:</b>	Intertek Testing Services Ltd. Shanghai West Area, 2 <sup>nd</sup> 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
<b>Test Report No.&lt;s&gt;:</b>	2504B0875SHA-001

Additional information in Appendix.



Signature

**Certification Manager: Qiao Qiao**

**Date: 12 January 2026**



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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-260016

### Ratings & Principal Characteristics:

Specifications table				
Model	BNT003KTA	BNT004KTA	BNT005KTA	BNT006KTA
<b>PV input</b>				
P <sub>pv</sub> Max(kW)	5.1	6	7.5	9
V <sub>max</sub> PV (Vdc) (absolute Max.)	750	750	750	750
I <sub>sc</sub> PV (absolute Max.) (A)	25x 2	25x 2	25x 2	25x 2
Number MPP trackers	2	2	2	2
Number input strings	1/1	1/1	1/1	1/1
Max. PV input current (A)	18.5 x 2	18.5 x 2	18.5 x 2	18.5 x 2
MPPT voltage range (Vdc)	150-600	150-600	150-600	150-600
<b>AC Grid (output)</b>				
Normal AC Voltage (VAC)	3P+PE/3P 133/230			
Frequency (Hz)	50			
Normal AC Current (A)	7.6	10.1	12.6	15.1
Max. cont. output current (A)	10.5	13.5	17.0	21.5
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)	IP66			
Temperature (°C)	-25°C to +60°C			
Inverter Isolation	Non-isolated			
Overvoltage category	OVC III (AC Main), OVC II (PV)			
Firmware version	1.01			

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Specifications table				
Model	BNT008KTA	BNT010KTA	BNT012KTA	BNT015KTA
<b>PV input</b>				
P pv Max(kW)	12	15	18	22.5
Vmax PV (Vdc) (absolute Max.)	750	750	750	750
Isc PV (absolute Max.) (A)	30+48	48 x 2	48 x 2	48 x2
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	32x 2	32x2	32x2
MPPT voltage range (Vdc)	150-600	150-600	150-600	150-600
<b>AC Grid (output)</b>				
Normal AC Voltage (VAC)	3P+PE/3P 133/230			
Frequency (Hz)	50			
Normal AC Current (A)	20.1	25.1	30.1	37.6
Max. cont. output current (A)	27	30	32	40
Normal Power (kW)	8	10	12	15
Rated Apparent Power (kVA)	8	10	12	15
Max. cont. Power (kW)	8	10	12	15
Max. cont. Apparent Power (kVA)	8	10	12	15
Power factor(adjustable)	1.0( -0.8~ +0.8)			
<b>Others</b>				
Protective class	Class I			
Ingress protection (IP)	IP66			
Temperature (°C)	-25°C to +60°C			
Inverter Isolation	Non-isolated			
Overvoltage category	OVC III (AC Main), OVC II (PV)			
Firmware version	1.01			

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Specifications table				
Model	BNT003KTL	BNT004KTL	BNT005KTL	BNT006KTL
<b>PV input</b>				
P pv Max(kW)	5.1	6	7.5	9
Vmax PV (Vdc) (absolute Max.)	1100	1100	1100	1100
Isc 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)	18.5 x 2	18.5 x 2	18.5 x 2	18.5 x 2
MPPT voltage range (Vdc)	150-1000	150-1000	150-1000	150-1000
<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)	IP66			
Temperature (°C)	-25°C to +60°C			
Inverter Isolation	Non-isolated			
Overvoltage category	OVC III (AC Main), OVC II (PV)			
Firmware version	1.01			

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Specifications table				
Model	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)	18.5 x 2	18.5 x 2	18.5 x 2	18.5 x 2
MPPT voltage range (Vdc)	150-1000	150-1000	150-1000	150-1000
<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)	IP66			
Temperature (°C)	-25°C to +60°C			
Inverter Isolation	Non-isolated			
Overvoltage category	OVC III (AC Main), OVC II (PV)			
Firmware version	1.01			

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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
<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)	IP66			
Temperature (°C)	-25°C to +60°C			
Inverter Isolation	Non-isolated			
Overvoltage category	OVC III (AC Main), OVC II (PV)			
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