

# Certificate of Conformity

Certificate Number: CN-PVES-230440R1

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; Principle Characteristics:</b>	See appendix of Certificate of Conformity
<b>Model:</b>	BNT017KTA, BNT020KTA, BNT24.99KTA, BNT025KTA, BNT29.99KTA, BNT030KTA, BNT036KTA, BNT29.99KTL, BNT030KTL, BNT036KTL, BNT040KTL, BNT050KTL, BNT060KTL
<b>Brand Name&lt;s&gt;:</b>	Afore
<b>Product Complies with:</b>	C10/11:2024
<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>	2604B1657SHA-001

Additional information in Appendix.

Replaces certificate CN-PV-230440 dated 01 August 2023

Signature



Certification Manager: Qiao Qiao

Date: 01 June 2026



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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-230440R1

### Ratings & Principle Characteristics:

Specifications table				
Model	BNT29.99KTL	BNT030KTL	BNT036KTL	BNT040KTL
<b>PV input</b>				
P pv Max(kW)	45	45	54	60
Vmax PV (Vdc) (absolute Max.)	1100	1100	1100	1100
Isc PV (absolute Max.) (A)	48 x 2	48 x 2	48 x 3	48 x 3
Max. PV input current / strings (A)	38 x 2	38 x 2	38 x 3	38 x 3
Number MPP trackers	2	2	3	3
Number input strings	2/3	2/3	2/2/2	2/2/2
MPPT voltage range (Vdc)	200-1000	200-1000	200-1000	200-1000
<b>AC Grid (output)</b>				
Normal AC Voltage (V <sub>AC</sub> )	3P+N+PE/3P+PE 230/400			
Frequency (Hz)	50			
Normal AC Current (A)	43.5	43.5	52.2	58
Max. cont. output current (A)	48	48	60	65
Normal Power (kW)	29.99	30	36	40
Rated Apparent Power (kVA)	29.99	30	36	40
Max. cont. Power (kW)	29.99	30	36	40
Max. cont. Apparent Power (kVA)	29.99	30	36	40
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(Derating 45°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	BNT050KTL	BNT060KTL		
<b>PV input</b>				
P <sub>pv</sub> Max(kW)	75	90		
V <sub>max</sub> PV (Vdc) (absolute Max.)	1100	1100		
I <sub>sc</sub> PV (absolute Max.) (A)	48 x 3	48 x 4		
Max. PV input current / strings (A)	40 x 3	38 x 4		
Number MPP trackers	3	4		
Number input strings	2/2/3	2/2/2/2		
MPPT voltage range (Vdc)	200-1000	200-1000		
<b>AC Grid (output)</b>				
Normal AC Voltage (V <sub>AC</sub> )	3P+N+PE/3P+PE 230/400			
Frequency (Hz)	50			
Normal AC Current (A)	72.5	87		
Max. cont. output current (A)	80	96		
Normal Power (kW)	50	60		
Rated Apparent Power (kVA)	50	60		
Max. cont. Power (kW)	50	60		
Max. cont. Apparent Power (kVA)	50	60		
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(Derating 45°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	BNT017KTA	BNT020KTA	BNT24.99KTA	BNT025KTA
<b>PV input</b>				
P <sub>pv</sub> Max(kW)	25.5	30	37.5	37.5
V <sub>max</sub> PV (Vdc) (absolute Max.)	750	750	750	750
I <sub>sc</sub> PV (absolute Max.) (A)	48x2	48x3	48x3	48x3
Max. PV input current / strings (A)	2	3	3	3
Number MPP trackers	2/3	2/2/2	2/2/3	2/2/3
Number input strings	38x2	38x3	40x3	40x3
MPPT voltage range (Vdc)	200-700	200-700	200-700	200-700
<b>AC Grid (output)</b>				
Normal AC Voltage (V <sub>AC</sub> )	3P+PE/3P 133/230			
Frequency (Hz)	50			
Normal AC Current (A)	42.7	50.2	62.7	62.7
Max. cont. output current (A)	48	60	80	80
Normal Power (kW)	17	20	24.99	25
Rated Apparent Power (kVA)	17	20	24.99	25
Max. cont. Power (kW)	17	20	24.99	25
Max. cont. Apparent Power (kVA)	17	20	24.99	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(Derating 45°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	BNT29.99KTA	BNT030KTA	BNT036KTA	
<b>PV input</b>				
P pv Max(kW)	45	45	54	
Vmax PV (Vdc) (absolute Max.)	750	750	750	
Isc PV (absolute Max.) (A)	48x4	48x4	48x4	
Max. PV input current / strings (A)	4	4	4	
Number MPP trackers	2/2/2/2	2/2/2/2	2/2/2/2	
Number input strings	38x4	38x4	38x4	
MPPT voltage range (Vdc)	200-700	200-700	200-700	
<b>AC Grid (output)</b>				
Normal AC Voltage (V <sub>AC</sub> )	3P+PE/3P 133/230			
Frequency (Hz)	50			
Normal AC Current (A)	75.2	75.2	90.4	
Max. cont. output current (A)	87	87	96	
Normal Power (kW)	29.99	30	36	
Rated Apparent Power (kVA)	29.99	30	36	
Max. cont. Power (kW)	29.99	30	36	
Max. cont. Apparent Power (kVA)	29.99	30	36	
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(Derating 45°C)			
Inverter Isolation	Non-isolated			
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