

Certificate of Conformity

Certificate Number: CN-PVES-260197

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-interactive inverter

Ratings & Principal Characteristics: See appendix of Certificate of Conformity

Model: BNT017KTA, BNT020KTA, BNT24.99KTA, BNT025KTA, BNT29.99KTA, BNT030KTA, BNT036KTA, BNT29.99KTL, BNT030KTL, BNT036KTL, BNT040KTL, BNT050KTL, BNT060KTL

Brand Name<s>: Afore

Product Complies with: EN 50549-1:2019+A1:2023
conjunction with EN 50549-10:2022

Certificate Issuing Office Name & Address: Intertek Testing Services Ltd. Shanghai
West Area, 2nd 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>: 2601B1324SHA-001

Additional information in Appendix.

Signature



Certification Manager: Qiao Qiao

Date: 29 May 2026



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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-260197

Ratings & Principal Characteristics:

Specifications table				
Model	BNT017KTA	BNT020KTA	BNT24.99KTA	BNT025KTA
PV input				
P _{pv} Max(kW)	25.5	30	37.5	37.5
V _{max} PV (Vdc) (absolute Max.)	750	750	750	750
I _{sc} PV (absolute Max.) (A)	48x2	48x3	48x3	48x3
Number MPP trackers	2	3	3	3
Number input strings	2/3	2/2/2	2/2/3	2/2/3
Max. PV input current (A)	38x2	38x3	40x3	40x3
MPPT voltage range (Vdc)	200-700	200-700	200-700	200-700
AC Grid (output)				
Normal AC Voltage (VAC)	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)			
Others				
Protective class	Class I			
Ingress protection (IP)	IP66			
Temperature (°C)	-25°C to +60°C (Derating45°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	
PV input				
P _{pv} Max(kW)	45	45	54	
V _{max} PV (Vdc) (absolute Max.)	750	750	750	
I _{sc} PV (absolute Max.) (A)	48x4	48x4	48x4	
Number MPP trackers	4	4	4	
Number input strings	2/2/2/2	2/2/2/2	2/2/2/2	
Max. PV input current (A)	38x4	38x4	38x4	
MPPT voltage range (Vdc)	200-700	200-700	200-700	
AC Grid (output)				
Normal AC Voltage (VAC)	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)			
Others				
Protective class	Class I			
Ingress protection (IP)	IP66			
Temperature (°C)	-25°C to +60°C (Derating45°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	BNT29.99 KTL	BNT030K TL	BNT036K TL	BNT040K TL	BNT050K TL	BNT060K TL
PV input						
P pv Max(kW)	45	45	54	60	75	90
Vmax PV (Vdc) (absolute Max.)	1100	1100	1100	1100	1100	1100
Isc PV (absolute Max.) (A)	48 x 2	48 x 2	48 x 3	48 x 3	48 x 3	48 x 4
Max. PV input current / strings (A)	38 x 2	38 x 2	38 x 3	38 x 3	40 x 3	38 x 4
Number MPP trackers	2	2	3	3	3	4
Number input strings	2/3	2/3	2/2/2	2/2/2	2/2/3	2/2/2/2
MPPT voltage range (Vdc)	200-1000	200-1000	200-1000	200-1000	200-1000	200-1000
AC Grid (output)						
Normal AC Voltage (V _{AC})	3P+N+PE/3P+PE 230/400					
Frequency (Hz)	50					
Normal AC Current (A)	43.5	43.5	52.2	58	72.5	87
Max. cont. output current (A)	48	48	60	65	80	96
Normal Power (kW)	29.99	30	36	40	50	60
Rated Apparent Power (kVA)	29.99	30	36	40	50	60
Max. cont. Power (kW)	29.99	30	36	40	50	60
Max. cont. Apparent Power (kVA)	29.99	30	36	40	50	60
Power factor(adjustable)	1.0(-0.8~ +0.8)					
Others						
Protective class	Class I					
Ingress protection (IP)	IP66					
Temperature (°C)	-25°C to +60°C (Derating45°C)					
Inverter Isolation	Non-isolated					
Overvoltage category	OVC III (AC Main), OVC II (PV)					
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