

Certificate of Conformity

Certificate Number: CN-PVES-260172

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 & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	BNT040KTA, BNT050KTA, BNT060KTA, BNT070KTL, BNT075KTL, BNT080KTL, BNT090KTL, BNT100KTL, BNT110KTL.
Brand Name<s>:	Afore
Product Complies with:	EN 50549-2:2019+A1:2023 conjunction with EN 50549-10:2022
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>:	2604B1662SHA-001

Additional information in Appendix.

Signature



Certification Manager: Qiao Qiao

Date: 21 May 2026



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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-260172

Specifications table			
Model	BNT040KTA	BNT050KTA	BNT060KTA
PV input			
P pv Max(kW)	60	75	90
Vmax PV (Vdc) (absolute Max.)	750	750	750
Isc PV (absolute Max.) (A)	48x6	48x6	48x6
Number MPP trackers	6	6	6
Number input strings	2/2/2/2/2/2	2/2/2/2/2/2	2/2/2/2/2/2
Max. PV input current (A)	38x6	38x6	38x6
MPPT voltage range (Vdc)	200-600	200-600	200-600
AC Grid (output)			
Normal AC Voltage (VAC)	3P+PE/3P 133/230		
Frequency (Hz)	50 / 60		
Normal AC Current (A)	100.5	125.6	150.7
Max. cont. output current (A)	120	143	158
Normal Power (kW)	40	50	60
Rated Apparent Power (kVA)	40	50	60
Max. cont. Power (kW)	40	50	60
Max. cont. Apparent Power (kVA)	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)		
Firmware version	1.01		

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APPENDIX: Certificate of Conformity

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Specifications table						
Model	BNT070K TL	BNT075K TL	BNT080K TL	BNT090K TL	BNT100K TL	BNT110K TL
PV input						
P _{pv} Max(kW)	105	112.5	120	135	150	165
V _{max} PV (Vdc) (absolute Max.)	1100					
I _{sc} PV (absolute Max.) (A)	48 x 6					
Max. PV input current / strings (A)	38 x 6					
Number MPP trackers	6					
Number input strings	2 / 2 / 2 / 2 / 2 / 2					
MPPT voltage range (Vdc)	200-1000					
AC Grid (output)						
Normal AC Voltage (V _{AC})	3P+N+PE/3P+PE 230/400					
Frequency (Hz)	50 / 60					
Normal AC Current (A)	101.5	108.7	116	130.5	145	159.5
Max. cont. output current (A)	111	120	127	143	158	159.5
Normal Power (kW)	70	75	80	90	100	110
Rated Apparent Power (kVA)	70	75	80	90	100	110
Max. cont. Power (kW)	70	75	80	90	100	110
Max. cont. Apparent Power (kVA)	70	75	80	90	100	110
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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