

Test Verification of Conformity

Verification Number: 240500341SHA-V1

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.



Once compliance with all product relevant CE mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	Afore New Energy Technology (Shanghai) Co., Ltd. Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China. 201112
Product Description: Ratings & Principle Characteristics: Models/Type References:	PV Grid interactive inverter See Appendix See Appendix
Brand Name:	Afore
Relevant Standards/Directives:	IEC/EN 62109-1:2010 IEC/EN 62109-2:2011 the Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests: Test Report Number(s):	2023-04-17 to 2024-05-14 240500341SHA-001/002

Signature

Name: Max Jin

Position: General Manager

Date: 2024-05-14

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 240500341SHA-V1

Model/Type reference	BNT036KTA, BNT040KTA, BNT050KTA, BNT060KTA, BNT070KTL, BNT075KTL, BNT080KTL, BNT090KTL, BNT100KTL, BNT110KTL.
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Other Ratings:

Specifications table				
Model	BNT036KTA	BNT040KTA	BNT050KTA	BNT060KTA
PV input				
P pv Max(kW)	54	60	75	90
Vmax PV (Vdc) (absolute Max.)	750	750	750	750
Isc PV (absolute Max.) (A)	48x6	48x6	48x6	48x6
Max. PV input current / strings (A)	38x6	38x6	38x6	38x6
Number MPP trackers	6	6	6	6
Number input strings	2/2/2/2/2/2	2/2/2/2/2/2	2/2/2/2/2/2	2/2/2/2/2/2
MPPT voltage range (Vdc)	200-600	200-600	200-600	200-600
Vdc range @ full power (Vdc)	300-600	300-600	350-600	400-600
AC Grid (output)				
Normal AC Voltage (V _{AC})	3P+PE/3P 133/230			
Frequency (Hz)	50			
Normal AC Current (A)	90.4	100.5	125.6	150.7
Max. cont. output current (A)	111	120	143	158
Normal Power (kW)	36	40	50	60
Rated Apparent Power (kVA)	36	40	50	60
Max. cont. Power (kW)	36	40	50	60
Max. cont. Apparent Power (kVA)	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 (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	BNT070KT L	BNT075KT L	BNT080KT L	BNT090KT L	BNT100KT L	BNT110KT L
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					
Number MPP trackers	6					
Number input strings	2 / 2 / 2 / 2 / 2 / 2					
Max. PV input current / strings (A)	38 x 6					
MPPT voltage range (Vdc)	200-1000					
Vdc range @ full power (Vdc)	500-850					
AC Grid (output)						
Normal AC Voltage (V _{AC})	3P+N+PE/3P+PE 230/400					
Frequency (Hz)	50					
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 (Derating 45°C)					
Inverter Isolation	Non-isolated					
Overvoltage category	OVC III (AC Main), OVC II (PV)					
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