

Test Verification of Conformity

Verification Number: 230201450SHA-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  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. Build No.7, 333 Wanfang Road, Minhang District, Shanghai. China. 201112
Product Description: Ratings & Principle Characteristics:	PV Grid interactive inverter See Appendix
Models/Type References:	BNT030KTL, BNT036KTL, BNT040KTL, BNT050KTL, BNT060KTL
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:	2023-02-20 to 2023-03-27
Test Report Number(s):	230201450SHA-001/002


Signature

Name: Max Jin

Position: General Manager

Date: 2023-03-31

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 230201450SHA -V1

Ratings:

Specifications table					
Model	BNT030KT L	BNT036KT L	BNT040KT L	BNT050KT L	BNT060KT L
PV input					
P pv Max(W)	45000	54000	60000	75000	90000
Vmax PV (Vdc) (absolute Max.)	1100	1100	1100	1100	1100
Isc PV (absolute Max.) (A)	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 3	38 x 3	40 x 3	38 x 4
Number MPP trackers	2	3	3	3	4
Number input strings	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
Vdc range @ full power (Vdc)	500-850	500-850	500-850	500-850	500-850
AC Grid output					
Normal AC Voltage (VAC)	3P+N+PE/3P+PE 230/400				
Frequency (Hz)	50Hz				
Normal AC Current (A)	43.5	52.2	58	72.5	87
Max. cont. output current (A)	48	60	65	80	96
Normal Power (kW)	30	36	40	50	60
Rated Apparent Power (kVA)	30	36	40	50	60
Max. cont. Power (kW)	30	36	40	50	60
Max. cont. Apparent Power (kVA)	30	36	40	50	60
Power factor	1 (-0.8~+0.8 adjustable)				
Others					
Ingress protection (IP)	IP65				
Protective class	Class I				
Temperature (°C)	-25°C to +60°C (Derating 45°C)				
Inverter Isolation	<input checked="" type="checkbox"/> Non-isolated				
Overvoltage category	OVC III (AC Main), OVC II (PV)				
Software Version	DSP:V06 CPLD:V06 HMI:V06				

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