

# Test Verification of Conformity

Verification Number: 200101582SHA-V1

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. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

Applicant Name & Address:	Afore New Energy Technology (Shanghai) Co., Ltd. Building No.7, 333 Wanfang Road, Minhang District, Shanghai, China 201112
Product Description:	Utility Interactive Inverter (Non-Isolated Inverter)
Ratings & Principle Characteristics:	See appendix for details
Models/Type References:	BNT followed by 025, 030, 036, 040, 050 or 060; followed by KTL.
Brand Name:	Afore
Relevant Standards:	CFR 47 Part 15 (2019) ANSI C63.4 (2014)
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of test:	2020-01-06 ~ 2020-06-01
Test Report Number(s):	200101582SHA-001

## Signature



**Name: Jonny Jing**  
**Position: Manager**  
**Date: 2020-06-05**

## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 200101582SHA-V1.

Manufacturing Site Name & Address: Afore New Energy Technology (Shanghai) Co., Ltd.  
Building No.7, 333 Wanfang Road, Minhang District, Shanghai, China  
201112

### Rating table:

Rating table			
Model	BNT025kTL	BNT030kTL	BNT036kTL
<b>PV Input:</b>			
V <sub>max</sub> PV (Vdc)	1000		
I <sub>sc</sub> PV (absolute Max.) (A) / MPPT	34*3	34*3	68*2
Number MPP trackers	3	3	2
Number input strings	2/2/2	2/2/2	4/4
Max. PV input current(A)	22*3	22*3	44*2
Nominal input power (kW)	26	31	37.5
Operating range (Vdc)	200 - 950		
Vdc range @ full power (Vdc)	540 - 850		
<b>AC Output</b>			
Normal Voltage (Vac)	480Vac 3Φ/PE		
Frequency (Hz)	60		
Current (Max. continuous) (A)	34	40	48
Power rating (kW)	25	30	36
Power Rating (kVA)	25	30	36
Power factor/rated (adjustable)	1 (-0.8 to +0.8)		
<b>others</b>			
Ingress protection (IP)	NEMA 4X		
Temperature (°C)	-13 to +140 / - 25 to +60 (Derating 45)		
Inverter Isolation	<input checked="" type="checkbox"/> Non-isolated <input type="checkbox"/> High frequency isolated		
Overvoltage category	OVC II (PV), OVC III (AC Main)		

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Rating table			
Model	BNT040kTL	BNT050kTL	BNT060kTL
<b>PV Input:</b>			
V <sub>max</sub> PV (Vdc)	1000		
I <sub>sc</sub> PV (absolute Max.) (A) / MPPT	68*2	68*3	68*3
Number MPP trackers	2	3	3
Number input strings	4/4	4/4/4	4/4/4
Max. PV input current(A)	44*2	44*3	44*3
Nominal input power (kW)	42	52	62
Operating range (Vdc)	200 - 950		
Vdc range @ full power (Vdc)	540 - 850		
<b>AC Output</b>			
Normal Voltage (Vac)	480Vac 3Φ/PE		
Frequency (Hz)	60		
Current (Max. continuous) (A)	53	66.2	79.4
Power rating (kW)	40	50	60
Power Rating (kVA)	40	50	60
Power factor /rated (adjustable)	1 (-0.8 to +0.8)		
<b>others</b>			
Ingress protection (IP)	NEMA 4X		
Temperature (°C)	-13 to +140 / - 25 to +60 (Derating 45)		
Inverter Isolation	<input checked="" type="checkbox"/> Non-isolated <input type="checkbox"/> High frequency isolated		
Overvoltage category	OVC II (PV), OVC III (AC Main)		

Signature



**Name: Jonny Jing**  
**Position: Manager**  
**Date: 2020-06-05**

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