

## Test Verification of Conformity

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 specifications at the time the tests were carried out.

**Applicant Name & Address** : Afore New Energy Technology(Shanghai)Co., Ltd.  
1st &2nd Floor, B Building, Business Building, No.2 Building,  
No.1588, Lianhang road, Minhang District, Shanghai, China  
201112

**Manufacturing site Name & Address** : Same as applicant

**Product(s) Tested** : PV Grid interconnected inverter

**Ratings and principal characteristics** : See Annex

**Model(s)** : See Annex

**Brand name** : Afore

**Relevant Standard(s) / Specification(s)** : IEC 62116 :2014+ IEC 61727:2004+ IEC 61683:1999  
IEC 60068-2-1: 2007 Test A: Cold  
IEC 60068-2-2: 2007 Test B: Dry heat  
IEC 60068-2-14:2009 Test N: Change of temperature  
IEC60068-2-30: 2005 Test Db: Damp heat, cyclic  
12+12h cycle)

**Verification Issuing Office Name & Address** : Intertek Testing Services Shanghai  
Building No.86, 1198 Qinzhou Road (North), Shanghai 200233,  
China

**Verification Number** : 170301700SHA-V1

**Report Number(s)** : 170301700SHA-001/002/003/004

**NOTE 1: This verification is part of the full test report(s) and should be read in conjunction with it.**

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**Signature**  
Name: Jonny Jing  
Position: Manager  
Date: 2017-06-08



# Annex to Test Verification of Conformity

This is an Annex to Test Verification of Conformity with Verification/Report Number(s):  
 170301700SHA-V1/ 170301700SHA-001/002/003/004. The issuing office is Intertek Testing Services Shanghai  
 (Address: Building No.86, 1198 Qinzhou Road (North), Caohejing Development Zone, Shanghai 200233, China).

| Rating table                   |   |             |  |
|--------------------------------|---|-------------|--|
| Model                          | BNT003TL  | BNT004TL    |  |
| <b>Input:</b>                  |   |             |  |
| Vmax PV (Vdc)                  | 850   | 850         |  |
| Isc PV (absolute Max.) (A)     | 14  | 14          |  |
| Number MPP trackers            | 1   | 1           |  |
| Number input strings           | 1   | 1           |  |
| Max. PV input current(A)       | 11  | 11          |  |
| MPPT voltage range (Vdc)       | 200-800   | 200-800     |  |
| Vdc range @ full power (Vdc)   | 500-800   | 500-800     |  |
| <b>Output</b>                  |   |             |  |
| Normal Voltage(V)              | <input type="checkbox"/> 1/N/PE 230Vac <input checked="" type="checkbox"/> 3/N/PE 230/400Vac      |             |  |
| Frequency(Hz)                  | <input checked="" type="checkbox"/> 50 Hz <input type="checkbox"/> 60Hz                           |             |  |
| Current (normal) ( A)          | 4.5   | 6           |  |
| Current (Max. continuous) ( A) | 5.5   | 7           |  |
| Power rating (W)               | 3000W   | 4000W       |  |
| Power Rating(VA)               | 3000VA  | 4000VA      |  |
| Power factor /rated            | -0.95~+0.95   | -0.95~+0.95 |  |
| <b>others</b>                  |   |             |  |
| Protective class               | Class I   |             |  |
| Ingress protection (IP)        | IP 65   |             |  |
| Temperature(°C)                | -20°C to +55°C (up 45°C derating)   |             |  |
| Inverter Isolation             | <input checked="" type="checkbox"/> Non-isolated <input type="checkbox"/> High frequency isolated |             |  |
| Weight (kg)                    | 21.5  |             |  |

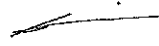


## Annex to Test Verification of Conformity

| Rating table                   |   |             |             |             |
|--------------------------------|---|-------------|-------------|-------------|
| Model                          | BNT005TL  | BNT006TL    | BNT008TL    | BNT010TL    |
| <b>Input:</b>                  |   |             |             |             |
| Vmax PV (Vdc)                  | 850   | 850         | 850         | 850         |
| Isc PV (absolute Max.) (A)     | 14/14   | 14/14       | 14/14       | 14/14       |
| Number MPP trackers            | 2   | 2           | 2           | 2           |
| Number input strings           | 1/1   | 1/1         | 1/1         | 1/1         |
| Max. PV input current(A)       | 11/11   | 11/11       | 11/11       | 11/11       |
| MPPT voltage range (Vdc)       | 200-800   | 200-800     | 250-800     | 300-800     |
| Vdc range @ full power (Vdc)   | 500-800   | 500-800     | 500-800     | 500-800     |
| <b>Output</b>                  |   |             |             |             |
| Normal Voltage(V)              | <input type="checkbox"/> 1/N/PE 230Vac <input checked="" type="checkbox"/> 3/N/PE 230/400Vac      |             |             |             |
| Frequency(Hz)                  | <input checked="" type="checkbox"/> 50 Hz <input type="checkbox"/> 60Hz                           |             |             |             |
| Current (normal) ( A)          | 7   | 8.5         | 11          | 14          |
| Current (Max. continuous) ( A) | 8.5   | 10.5        | 13.5        | 17          |
| Power rating (W)               | 5000W   | 6000W       | 8000W       | 9500W       |
| Power Rating(VA)               | 5000VA  | 6000VA      | 8000VA      | 9500VA      |
| Power factor /rated            | -0.95~+0.95   | -0.95~+0.95 | -0.95~+0.95 | -0.95~+0.95 |
| <b>others</b>                  |   |             |             |             |
| Protective class               | Class I   |             |             |             |
| Ingress protection (IP)        | IP 65   |             |             |             |
| Temperature(°C)                | -20°C to +55°C(up 45°C derating)  |             |             |             |
| Inverter Isolation             | <input checked="" type="checkbox"/> Non-isolated <input type="checkbox"/> High frequency isolated |             |             |             |
| Weight (kg)                    | 21.5  |             |             |             |

**NOTE: This annex is part of the Test Verification of Conformity and should be read in conjunction with it.**

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**Signature**  
**Name: Jonny Jing**  
**Position: Manager**  
**Date: 2017-06-08**