

# Test Verification of Conformity

Verification Number: 2509B0690SHA-V1

On the basis of the tests undertaken, the sample<s> of the below product has been tested by an accredited 3rd party laboratory in accordance to 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>.

This document can be used in support of a claim in meeting relevant EU EMC Directive(2014/30/EU) and mandatory Conformity Marking. And in accordance with EU law, the claim is the sole obligation of the Manufacturer/ Importer.

|   |  |
|---|--|
| Applicant Name & Address:                   | Afore New Energy Technology (Shanghai) Co., Ltd.<br>Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China. 201112 |
| Product Description:                        | PV Grid interactive inverter   |
| Ratings & Principle Characteristics:        | See Appendix   |
| Models/Type References:                     | BNT040KTA, BNT050KTA, BNT060KTA, BNT070KTL, BNT075KTL, BNT080KTL, BNT090KTL, BNT100KTL, BNT110KTL.                           |
| Brand Name:                                 | Afore  |
| Relevant Standards/Directives:              | EN IEC 61000-6-2:2019; EN IEC 61000-6-4:2019;<br>EN IEC 61000-3-11:2019; EN 61000-3-12:2011;<br>EN 62920:2017+A1:2021;       |
| Verification Issuing Office Name & Address: | Intertek Testing Services (Shanghai FTZ) Co., Ltd.<br>Building 86, No. 1198 Qinzhou Road(North), Shanghai 200233, P.R. China |
| Date of Tests:                              | 2024-03-19 to 2024-04-28   |
| Test Report Number(s):                      | 2509B0690SHA-001   |

  
Signature

Name: Max Jin

Position: General Manager

Date: 2025-12-03

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 2509B0690SHA-V1

| 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        |
| Max. PV input current / strings (A)  | 38x6                           | 38x6        | 38x6        |
| 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 |
| MPPT voltage range (Vdc)             | 200-600                        | 200-600     | 200-600     |
| AC Grid (output)                     |                                |             |             |
| Normal AC Voltage (V <sub>AC</sub> ) | 3P+PE/3P 133/230               |             |             |
| Frequency (Hz)                       | 50                             |             |             |
| 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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| Specifications table                 |                                |         |         |         |         |         |
|--------------------------------------|--------------------------------|---------|---------|---------|---------|---------|
| Model                                | BNT070K                        | BNT075K | BNT080K | BNT090K | BNT100K | BNT110K |
| PV input                             |                                |         |         |         |         |         |
| P pv Max(kW)                         | 105                            | 112.5   | 120     | 135     | 150     | 165     |
| Vmax PV (Vdc) (absolute Max.)        | 1100                           |         |         |         |         |         |
| Isc 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                       |         |         |         |         |         |
| AC Grid (output)                     |                                |         |         |         |         |         |
| Normal AC Voltage (V <sub>AC</sub> ) | 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 (Derating45°C)  |         |         |         |         |         |
| Inverter Isolation                   | Non-isolated                   |         |         |         |         |         |
| Overvoltage category                 | OVC III (AC Main), OVC II (PV) |         |         |         |         |         |
| Firmware version                     | 1.01                           |         |         |         |         |         |

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