

# Certificate of Conformity

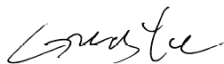
Certificate Number: CN-PV-210221

On the basis of the tests undertaken, the samples of the below product have been found to comply with the requirements of the referenced specifications /standards at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture. The manufacturer shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

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| Applicant Name & Address:                  | Zucchetti Centro Sistemi SpA<br>Via Lungarno 305/A 52028 Terranuova Bracciolini (AR) Italy   |
| Product Description:                       | Solar Grid-tied Inverter   |
| Ratings & Principle Characteristics:       | See Annex to Certificate of Conformity   |
| Models/Type References:                    | AZZURRO 1PH 3000TLM-V3, AZZURRO 1PH 3680TLM-V3,<br>AZZURRO 1PH 4000TLM-V3, AZZURRO 1PH 4600TLM-V3,<br>AZZURRO 1PH 5000TLM-V3, AZZURRO 1PH 5000TLM-V3-A<br>AZZURRO 1PH 6000TLM-V3   |
| Brand Name:                                |   |
| Specification/Standard:                    | EN 50549-1: 2019, Requirements for generating plants to be connected in parallel with distribution networks<br>Part 1: Connection to a LV distribution network - Generating plants up to and including Type B<br>Type approval for type B and with deviations according to the national network and interface protection for Portugal, Netherlands, Poland, Turkey and Finland |
| Certificate Issuing Office Name & Address: | Intertek Testing Services Ltd. Shanghai<br>West Area, 2nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China   |
| Test Report Number:                        | 210727046GZU-012   |

According to Annex H of the standard EN 50549-1:2019, generating plants compliant with the clauses of this European Standard are considered to be compliant with the relevant Article of COMMISSION REGULATION (EU) 2016/631, provided, that all settings as provided by the DSO and the responsible party are complied with.

Additional information in Appendix.



**Signature**

**Certification Manager: Grady Ye**

**Date: 14 Sep. 2021**

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-210221

| MODEL                                     | AZZURRO 1PH<br>3000TLM-V3   | AZZURRO 1PH<br>3680TLM-V3 | AZZURRO<br>1PH<br>4000TLM-V3 | AZZURRO 1PH<br>4600TLM-V3 |
|---|-----------------------------|---------------------------|------------------------------|---------------------------|
| Input (DC)                                |                             |                           |                              |                           |
| Max. input voltage                        | 600V                        |                           |                              |                           |
| Start-up voltage                          | 90V                         |                           |                              |                           |
| Rated input voltage                       | 380V                        |                           |                              |                           |
| MPPT operating voltage range              | 80V~550V                    |                           |                              |                           |
| Full power MPPT voltage range             | 200V~500V                   |                           |                              |                           |
| Max. input MPPT current                   | 15A/15A                     |                           |                              |                           |
| Max. input short circuit current per MPPT | 22.5A/22.5A                 |                           |                              |                           |
| Output (AC)                               |                             |                           |                              |                           |
| Rated power                               | 3000W                       | 3680W                     | 4000W                        | 4600W                     |
| Max. AC power                             | 3300VA                      | 3680VA                    | 4400VA                       | 4600VA                    |
| Rated output current                      | 13.6A                       | 16A                       | 18.2A                        | 21A                       |
| Max output current                        | 15A                         | 16A                       | 20A                          | 23A                       |
| Nominal grid voltage                      | 230Vac                      |                           |                              |                           |
| Nominal frequency                         | 50Hz/60Hz                   |                           |                              |                           |
| Power factor                              | 1default(+/-0.8 adjustable) |                           |                              |                           |
| Ambient temperature range                 | -30~+60°C                   |                           |                              |                           |
| Degree of protection                      | IP65                        |                           |                              |                           |
| Cooling                                   | Natural                     |                           |                              |                           |
| Software version                          | V000001                     |                           |                              |                           |

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| MODEL                                     | AZZURRO 1PH<br>5000TLM-V3   | AZZURRO 1PH<br>5000TLM-V3-A | AZZURRO 1PH<br>6000TLM-V3 |
|---|-----------------------------|-----------------------------|---------------------------|
| Input (DC)                                |                             |                             |                           |
| Max. input voltage                        | 600V                        |                             |                           |
| Start-up voltage                          | 90V                         |                             |                           |
| Rated input voltage                       | 380V                        |                             |                           |
| MPPT operating voltage range              | 80V~550V                    |                             |                           |
| Full power MPPT voltage range             | 210V~500V                   |                             | 260V~500V                 |
| Max. input MPPT current                   | 15A/15A                     |                             |                           |
| Max. input short circuit current per MPPT | 22.5A/22.5A                 |                             |                           |
| Output (AC)                               |                             |                             |                           |
| Rated power                               | 5000W                       | 5000W                       | 6000W                     |
| Max. AC power                             | 5500VA                      | 5000VA                      | 6000VA                    |
| Rated output current                      | 22.7A                       | 21.7A                       | 27.3A                     |
| Max output current                        | 25A                         | 21.7A                       | 29A                       |
| Nominal grid voltage                      | 230Vac                      |                             |                           |
| Nominal frequency                         | 50Hz/60Hz                   |                             |                           |
| Power factor                              | 1default(+/-0.8 adjustable) |                             |                           |
| Ambient temperature range                 | -30~+60°C                   |                             |                           |
| Degree of protection                      | IP65                        |                             |                           |
| Cooling                                   | Natural                     |                             |                           |
| Software version                          | V000001                     |                             |                           |

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