


# Certificate of Conformity

Certificate Number: CN-PV-210214

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.

|   |   |
|---|---|
| <b>Applicant:</b>                                     | Zucchetti Centro Sistemi SpA<br>Via Lungarno 305/A 52028 Terranuova Bracciolini (AR) Italy  |
| <b>Product:</b>                                       | Solar Grid-tied Inverter  |
| <b>Ratings &amp; Principle Characteristics:</b>       | See Appendix to Certificate of Conformity   |
| <b>Models:</b>  | 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  |
| <b>Brand Name:</b>                                    |    |
| <b>Tested according to:</b>                           | 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 Ireland interface settings |
| <b>Certificate Issuing Office Name &amp; Address:</b> | Intertek Testing Services Ltd. Shanghai<br>West Area, 2 <sup>nd</sup> Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China  |
| <b>Test Reports No:</b>                               | 210727046GZU-005  |

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

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-210214

| MODEL                                     | AZZURRO 1PH<br>3000TLM-V3   | AZZURRO 1PH<br>3680TLM-V3 | AZZURRO 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                     |                           |                           |                           |

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-210214

| 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                     |                             |                           |

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.