

Certificate of Conformity

Certificate Number: CN-PV-230698

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. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:

Zucchetti Centro Sistemi SpA
Via Lungarno 305/A 52028 Terranuova Bracciolini (AR), Italy

Product:

Solar Grid-tied Inverter

Ratings & Principle

See appendix of Certificate of Conformity

Characteristics:

Model:

AZZURRO 3PH 3.3KTL-V3, AZZURRO 3PH 4.4KTL-V3,
AZZURRO 3PH 5KTL-V3-A, AZZURRO 3PH 5.5KTL-V3,
AZZURRO 3PH 6.6KTL-V3, AZZURRO 3PH 8.8KTL-V3,
AZZURRO 3PH 8.8KTL-V3-A, AZZURRO 3PH 11KTL-V3,
AZZURRO 3PH 10KTL-V3-A, AZZURRO 3PH 11KTL-V3-A,
AZZURRO 3PH 12KTL-V3

Brand Name<s>:



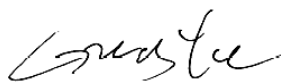
Product Complies with:

CEI 0-21:2022-03 + V1:2022-11: Reference technical rules for connection of active and passive users to the LV electrical Utilities

**Certificate Issuing Office
Name & Address:**

Intertek Testing Services Ltd. Shanghai
West Area, 2nd Floor, No. 707, Zhangyang Road
China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China
Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
231114026GZU-001, 05 Dec 2023 Issued by Intertek Testing Services
Shenzhen Ltd. Guangzhou Branch accredited by IAS (TL-395) in accordance
with ISO/IEC 17025:2017

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 15 Dec. 2023



PRD N° 306B

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-230698.

Model	AZZURRO 3PH 3.3KTL- V3	AZZURRO 3PH 4.4KTL- V3	AZZURRO 3PH 5KTL-V3- A	AZZURRO 3PH 5.5KTL- V3	AZZURRO 3PH 6.6KTL- V3	AZZURRO 3PH 8.8KTL- V3	AZZURRO 3PH 8.8KTL- V3-A	AZZURRO 3PH 10KTL- V3-A
Max PV voltage	1100Vdc							
MPPT Voltage range	140-1000Vdc							
Max. input current	15/15A						15/30A	
PV Isc	22.5/22.5A						22.5/45A	
Rated power(W)	3000	4000	5000	5000	6000	8000	8000	10000
Max.apparent power (VA)	3300	4400	5000	5500	6600	8800	8800	10000
Max output current	3×5.0 A	3×6.7 A	3×7.6 A	3×8.3 A	3×10.0 A	3×13.3 A	3×13.3 A	3×15.2 A
Output voltage	3W/N/PE 220Vac/380Vac, 230Vac/400Vac							
Nominal Frequency	50/60 Hz							
Power Factor	1 default (adjustable+/-0.8)							
Ambient Temperature	-30°C - +60°C							
Protection Degree	IP65							
Protection Class	Class I							
Software Version	V000001							

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Model	AZZURRO 3PH 11KTL-V3	AZZURRO 3PH 11KTL-V3-A	AZZURRO 3PH 12KTL-V3
Max PV voltage	1100Vdc		
MPPT Voltage range	140-1000Vdc		
Max. input current	15/15A	15/30A	
PV Isc	22.5/22.5A	22.5/45A	
Rated power(W)	10000	10000	12000
Max.apparent power (VA)	11000	11000	13200
Max output current	3×16.7 A	3×16.7 A	3×20.0 A
Output voltage	3W/N/PE 220Vac/380Vac, 230Vac/400Vac		
Nominal Frequency	50/60 Hz		
Power Factor	1 default (adjustable+/-0.8)		
Ambient Temperature	-30°C - +60°C		
Protection Degree	IP65		
Protection Class	Class I		
Software Version	V000001		

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TYPE OF APPARATUS: Solar Grid-tied inverter			
Number of phases: Three-phase			
DISCONNECTION DEVICE	INTERFACE PROTECTION DEVICE	DEVICE FOR CONVERSION	ROTATING GENERATOR DEVICE
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<p>Static converters in systems with capacity more than 11.08 kW(for AZZURRO 3PH 12KTL-V3)</p> <p>Static converters in systems with capacity up to 11.08 kW(for AZZURRO 3PH 3.3KTL-V3, AZZURRO 3PH 4.4KTL-V3, AZZURRO 3PH 5KTL-V3-A, AZZURRO 3PH 5.5KTL-V3, AZZURRO 3PH 6.6KTL-V3, AZZURRO 3PH 8.8KTL-V3, AZZURRO 3PH 8.8KTL-V3-A, AZZURRO 3PH 10KTL-V3-A, AZZURRO 3PH 11KTL-V3, AZZURRO 3PH 11KTL-V3-A)</p> <p>The devices are capable to limit Idc to 0.5% of the rated grid current</p> <p>Having examined the ISO 9001 certificate of the manufacturer No: 9151.CNS0 issued by:CISQ/IMQ</p>			

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