

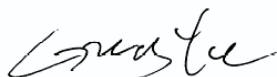
Certificate of Conformity

Certificate Number: CN-PV-230415

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:	Hybrid inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	AZZURRO 1PH HYD6000 ZSS HP, AZZURRO 1PH HYD5500 ZSS HP, AZZURRO 1PH HYD5000 ZSS HP, AZZURRO 1PH HYD4600 ZSS HP, AZZURRO 1PH HYD4000 ZSS HP, AZZURRO 1PH HYD3600 ZSS HP, AZZURRO 1PH HYD3000 ZSS HP
Brand Name<s>:	
Product Complies with:	TOR Erzeuger Type A version 1.2, 18 April 2022 OVE-Richtlinie R 25:2020 Connection and parallel operation of power generation plants of type A and of small generation plants (maximum capacity <250 kW and nominal voltage <110kV)
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd 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
Test Report No.<s>:	230418068GZU-001

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 20 July 2023



PRD N° 306B

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APPENDIX: Certificate of Conformity

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

Model	AZZURRO 1PH HYD3000 ZSS HP	AZZURRO 1PH HYD3600 ZSS HP	AZZURRO 1PH HYD4000 ZSS HP	AZZURRO 1PH HYD4600 ZSS HP	AZZURRO 1PH HYD5000 ZSS HP	AZZURRO 1PH HYD5500 ZSS HP	AZZURRO 1PH HYD6000 ZSS HP
Max. PV Input Voltage [d.c.V]	600						
MPPT operating voltage range [d.c.V]	90-550						
Number of MPP trackers	2						
Max. input current per MPPT [d.c.A]	13/13						
Max. PV Isc [d.c.A]	2 X 18						
Battery Type	Lead-acid, Lithium-ion						
Battery Voltage Range [d.c.V]	42-58						
Max. Charging Current [d.c.A]	75	80	85	100	100	100	100
Max. Discharging Current [d.c.A]	75	80	85	100	100	100	100
Max. Charging & Discharging Power [W]	3750	4000	4250	5000	5000	5000	5000
Nominal Grid voltage [a.c.V]	230						

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Nominal Output Voltage (backup) [a.c.V]	230						
Rated Output Power[W]	3000	3680	4000	4600	5000	5000	6000
Output Apparent Power [VA]	3300	3680	4400	4600	5000	5500	6000
Rated Output Current [a.c.A]	13.0	16.0	17.4	20.0	21.7	21.7	26.1
Max. output current [a.c.A]	15	16	20	20.9	21.7	25	27.3
Max AC current from utility grid [a.c.A]	13.6	16	18.2	20.9	22.7	22.7	22.7
Nominal Grid Frequency	50/60Hz						
Power Factor	1 (adjustable +/-0.8)						
Nominal AC off grid power [W]	3000	3680	4000	4600	5000	5000	5000
Backup Max.current [a.c.A]	13.6	16.0	18.2	20.9	22.7	22.7	22.7
Backup Max. Apparent Power [VA]	3000	3680	4000	4600	5000	5000	5000
Ingress Protection	IP 65						
Protective Class	Class I						
Operating temperature range	-30 ~ +60°C						
Software version	V000001						

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