


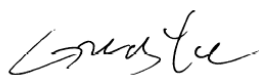
Certificate of Conformity

Certificate Number: CN-PVES-260198

On the basis of the tests undertaken, the samples of the below product have been found to comply with the requirements of the referenced specification/standard 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.

Applicant:	Zucchetti Centro Sistemi SpA Via Lungarno 305 52028 Terranuova Bracciolini (AR). Italy
Product: Ratings & Principle Characteristics: Model:	Intelligent Residential Energy Storage System See appendix of Certificate of Conformity Inverter conversion device: AZZURRO 1PH HYD3000 ZP1, AZZURRO 1PH HYD3680 ZP1, AZZURRO 1PH HYD4000 ZP1, AZZURRO 1PH HYD4600 ZP1, AZZURRO 1PH HYD5000 ZP1, AZZURRO 1PH HYD6000 ZP1 Batteries and BMS - Battery Management System 1* AZZURRO HV ZBT 5K, 2* AZZURRO HV ZBT 5K 3* AZZURRO HV ZBT 5K, 4* AZZURRO HV ZBT 5K 5* AZZURRO HV ZBT 5K, 6* AZZURRO HV ZBT 5K Battery pack: AZZURRO HV ZBT 5K High voltage control model: AZZURRO BDU ZBT 5K
Brand Name:	
Product Complies with:	CEIO-21:2022-03 + V1:2022-11 + V2:2024-01 + EC:2024-03 +EC2:2025-02
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 Number:	260325107GZU-001, 22 May 2026

Additional information in Appendix



Signature
Certification Manager: Grady Ye
Date: 01 June 2026






01886

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-PVES-260198

Test item description.....	: Intelligent Residential Energy Storage System
Trade Mark	: 
Manufacturer	: Same as applicant
Model/Type reference	: Inverter conversion device: AZZURRO 1PH HYD3000 ZP1, AZZURRO 1PH HYD3680 ZP1, AZZURRO 1PH HYD4000 ZP1, AZZURRO 1PH HYD4600 ZP1, AZZURRO 1PH HYD5000 ZP1, AZZURRO 1PH HYD6000 ZP1
	: Brands: 
	: Batteries and BMS - Battery Management System
	: Battery module model: 1* AZZURRO HV ZBT 5K, 2* AZZURRO HV ZBT 5K, 3* AZZURRO HV ZBT 5K, 4* AZZURRO HV ZBT 5K, 5* AZZURRO HV ZBT 5K, 6* AZZURRO HV ZBT 5K
	: Battery pack: AZZURRO HV ZBT 5K
	: High voltage control model: AZZURRO BDU ZBT 5K
	: Brands: 
Inverter Firmware Version	: V000001
Number of phases	: Single-phase
Nominal Power	: 3000W (AZZURRO 1PH HYD3000 ZP1), 3680W (AZZURRO 1PH HYD3680 ZP1), 4000W (AZZURRO 1PH HYD4000 ZP1), 4600W (AZZURRO 1PH HYD4600 ZP1), 5000W (AZZURRO 1PH HYD5000 ZP1), 6000W (AZZURRO 1PH HYD6000 ZP1)
Type	: Bidirectional
CUS (useful capacity of the storage system)	: 4.75kWh ~ 28.5kWh
Psn (nominal discharge power)	: 2500W (1* AZZURRO HV ZBT 5K), 5000W (2* AZZURRO HV ZBT 5K), 7500W (3* AZZURRO HV ZBT 5K), 10000W (4* AZZURRO HV ZBT 5K), 12500W (5* AZZURRO HV ZBT 5K), 15000W (6* AZZURRO HV ZBT 5K)
Pcn (nominal charge power)	: 2500W (1* AZZURRO HV ZBT 5K), 5000W (2* AZZURRO HV ZBT 5K), 7500W (3* AZZURRO HV ZBT 5K), 10000W (4* AZZURRO HV ZBT 5K), 12500W (5* AZZURRO HV ZBT 5K), 15000W (6* AZZURRO HV ZBT 5K)
Psmax (maximum discharge power) :	: Same as above
Pcmax (maximum charge power)	: Same as above
BMS Firmware Version.....	: V010001

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-PVES-260198

Battery		Total energy (kWh)	CUS (useful capacity of the storage system)	
Basic Model	Manufacturer		Capacity of per battery module (kWh)	Number of Battery pack
1* AZZURRO HV ZBT 5K	Zucchetti Centro Sistemi SpA	5.12	4.75	1
2* AZZURRO HV ZBT 5K		10.24	9.5	2
3* AZZURRO HV ZBT 5K		15.36	14.25	3
4* AZZURRO HV ZBT 5K		20.48	19	4
5* AZZURRO HV ZBT 5K		25.60	23.75	5
6* AZZURRO HV ZBT 5K		30.72	28.5	6

Note:
1. Batteries are not integrated within the inverter and shall be installed according to local regulation.



APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-260198

MODEL	AZZURRO 1PH HYD3000 ZP1	AZZURRO 1PH HYD3680 ZP1	AZZURRO 1PH HYD4000 ZP1	AZZURRO 1PH HYD4600 ZP1	AZZURRO 1PH HYD5000 ZP1	AZZURRO 1PH HYD6000 ZP1
Max.DC input voltage	550Vdc					
MPPT voltage range	85~520Vdc					
Max.PV Isc	2*22.5A					
Rated battery voltage	400V					
Max.charging/discharging current	20A					
Max.charging/discharging power	3000W	3680W	4000W	4600W	5000W	6000W
Rated grid voltage	230V,50Hz					
Rated output current	13.0A	16.0A	17.4A	20.0A	21.7A	26.1A
Max.output current	14.3 A	16.0 A	19.1 A	20.0 A	23.9 A	28.7 A
Power Factor	1 default (adjustable+/-0.8)					
Rated output power	3000W	3680W	4000W	4600W	5000W	6000W
Rated Apparent Power	3000VA	3680VA	4000VA	4600VA	5000VA	6000VA
Backup Rated Current	13A	16A	17.4A	20A	21.7A	26A
Backup Rated Apparent Power	3000VA	3680VA	4000VA	4600VA	5000VA	6000VA
Ambient Temperature	-10~ +50°C					
Protection Degree	IP65					
Protection Class	Class I					
Inverter topology	Non-Isolated					
Overvoltage Category	AC III, DC II					
Firmware 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-PVES-260198

TYPE OF APPARATUS: Intelligent Residential Energy Storage System			
Number of phases: single-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 up to 11.08 kW The devices are capable to limit I_{dc} to 0.5% of the rated grid current Having examined the ISO 9001 certificate of the manufacturer No: 04925Q00822R2M-1, issued by: Guangdong Quality Testing CTC Certification Co., Ltd.</p>			
References of the laboratories that carried out the tests and their test reports (TR)			
Selected method	Tests carried out by an accredited laboratory	Tests carried out under the supervision of a certification body	
Test reports (TR)	<p>TR according to Annex A: 260325107GZU-001 TR according to Annex B: 260325107GZU-001 TR according to Annex L: 260325107GZU-001</p>		
Issued by	Accredited lab: ---	Testing laboratory:	
Accreditation No.	---	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch	
Accreditation body reference:	---	Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China	

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.