1PH BZT5000

Storage inverter

100% CERTIFIED PRODUCTS EPD A

NEW

- Integrated battery and conversion system for compact installation and minimal space requirement
- Flexible, with the option to expand and accommodateup to 6 units in parallel
- Quick and easy installation on walls or loors
- Intuitive setup and user-friendly interaction

DATI TECNICI	AZZURRO 1PH BZT5000
Battery technical data	
Type of compatible battery	Lithium Iron Phosphate
Rated voltage	51.2V
Rated battery capacity	5.12 kWh
Useful battery capacity	4.6 kWh
Depth of Discharge (DoD)	90%
AC output (grid side)	
Rated power	2500 W
Rated apparent power	2750 W
Rated current	11.4A/10.9 A/10.4A
Maximum current	12.5A/12A/11.5A
Connection type/Rated voltage	Single-phase L/N/PE / 220V, 230V, 240V
AC voltage range	176-288V (according to the local standards)
Rated frequency	50Hz/60Hz
AC frequency range	45Hz-55Hz /54Hz-66Hz (according to local standards)
Total harmonic distortion	≤3%
Power factor	1 default (Programmable +/- 0.8)
EPS Output (Emergency Power Supply)	
Rated power*	2500 W
Rated current	11.4A/10.9 A/10.4A
Connection type/Rated voltage	Single-phase L/N/PE / 220V, 230V, 240V
Rated frequency	50Hz/60Hz
Total harmonic distortion	≤3%
Standard	
EMC	EN 61000-6-1/-3
Safety standard	IEC 62109-1/2, IEC62477
Grid connection standard	Connection certificates and standards available on www.zcsazzurro.com
General data	
Allowable ambient temperature range**	-10°C/+50°C
Topology	Transformerless / High-frequency isolation battery output
Environmental protection class	IP65
Allowable relative humidity range	5%-95% non-condensing
Maximum operating altitude	4000m
Weight	50 kg
Cooling	Natural convection
Dimensions (H x L x D)	800mm x 400mm x 175mm
Data monitoring	LED and APP
Warranty	5 years - upon registration on the WARRANTY EXTENSION page at zcsazzurro.com* * Subject to the warranty terms and conditions. An additional extension of up to 10 years is available for purchase.

* EPS power output depends on system status (remaining capacity, temperature)
** Standard value for lithium batteries; for maximum performance we recommend installation in a temperature-controlled environment between 15°C and 40°C (below 15°C the batteries protect themselves by limiting the charging current