

VERIFICATION OF COMPLIANCE

No.: LVD GZES2503005243PV


Applicant: Zucchetti Centro Sistemi SpA
Via Lungarno 305 52028 Terranuova Bracciolini (AR), Italy

Manufacturer: Zucchetti Centro Sistemi SpA
Via Lungarno 305 52028 Terranuova Bracciolini (AR), Italy

Product Name: Hybrid Inverter

Product Description: Inverter used in PV system

Model No.: AZZURRO 3PH HYD 5000 ZP3,
AZZURRO 3PH HYD 6000 ZP3,
AZZURRO 3PH HYD 6500 ZP3,
AZZURRO 3PH HYD 8000 ZP3,
AZZURRO 3PH HYD 9900 ZP3,
AZZURRO 3PH HYD 10000 ZP3,
AZZURRO 3PH HYD 12000 ZP3

Trade Mark: 

Rating: See page 2

Protection against Electric Shock: Class I

Degree of Protection: IP66

Additional Information: Software firmware version: V000001
Software hardware version: V001

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: EN 62109-1:2010
EN 62109-2:2011

as shown in the

Test Report Number(s): GZES250300524301
GZES250300524302

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant harmonized standards under the Low Voltage Directive 2014/35/EU. The CE marking can be affixed, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The affixing of the CE marking presumes in addition that the conditions in annexes III and IV of the Directive are fulfilled.


David Guo

Technical Manager

SGS-CSTC Standards Technical Services Co., Ltd.

2025-04-30

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No.:

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Other information added:

Rating:

Model	AZZUR RO 3PH HYD 5000 ZP3	AZZUR RO 3PH HYD 6000 ZP3	AZZUR RO 3PH HYD 6500 ZP3	AZZUR RO 3PH HYD 8000 ZP3	AZZUR RO 3PH HYD 9900 ZP3	AZZUR RO 3PH HYD 10000 ZP3	AZZUR RO 3PH HYD 12000 ZP3
PV Input							
Recommended Max. PV Power	10 kWp	12 kWp	13 kWp	16 kWp	20 kWp	20 kWp	24 kWp
Max. Input Voltage	1000 V d.c.						
Start-up Voltage	200 V d.c.						
Rated Input Voltage	600 V d.c.						
MPPT Voltage Range	160 - 950 V d.c.						
Number of MPPT	3						
Max. Number of Input Strings per MPPT	1/1/1						
Max. Input Current	20 / 20 / 20 A						
Max. Isc	25 / 25 / 25 A						
Battery							
Battery Type	Lithium-ion						
Voltage Range	350 - 435 V d.c.						
Number of Battery Input Channels	1						
Max. Charging Power	10 kW						
Max. Discharging Power	5 kW	6 kW	6.5 kW	8 kW	9.9 kW	10 kW	10 kW
Max. Charging Current	25 A						
Max. Discharging Current	15 A	18 A	19.5 A	24 A	29.7 A	30 A	30 A
AC Backup							
Rated Output Voltage	3N~+PE, 380 / 400 / 415 V a.c.						
Rated Output Frequency	50 / 60 Hz						
Rated Output Power	5 kW	6 kW	6.5 kW	8 kW	9.9 kW	10 kW	12 kW
Rated Output Current	7.6 / 7.2 / 6.9 A	9.1 / 8.7 / 8.3 A	9.9 / 9.4 / 9.0 A	12.1 / 11.6 / 11.1 A	15.0 / 14.3 / 13.8 A	15.2 / 14.5 / 13.9 A	18.2 / 17.4 / 16.7 A
Rated Apparent Power	5 kVA	6 kVA	6.5 kVA	8 kVA	9.9 kVA	10 kVA	12 kVA
Max. Apparent Power	5.5 kVA	6.6 kVA	7.15 kVA	8.8 kVA	9.9 kVA	11 kVA	13.2 kVA
Max. Output Current	8.3 / 8.0 / 7.6 A	10.0 / 9.6 / 9.2 A	10.9 / 10.3 / 9.9 A	13.3 / 12.8 / 12.2 A	15.0 / 14.3 / 13.8 A	16.7 / 15.9 / 15.3 A	20.0 / 19.1 / 18.3 A
AC Gird							
Rated Output Voltage	3N~+PE, 380 / 400 / 415 V a.c.						
Rated Output Frequency	50 / 60 Hz						
Rated Output Power	5 kW	6 kW	6.5 kW	8 kW	9.9 kW	10 kW	12 kW

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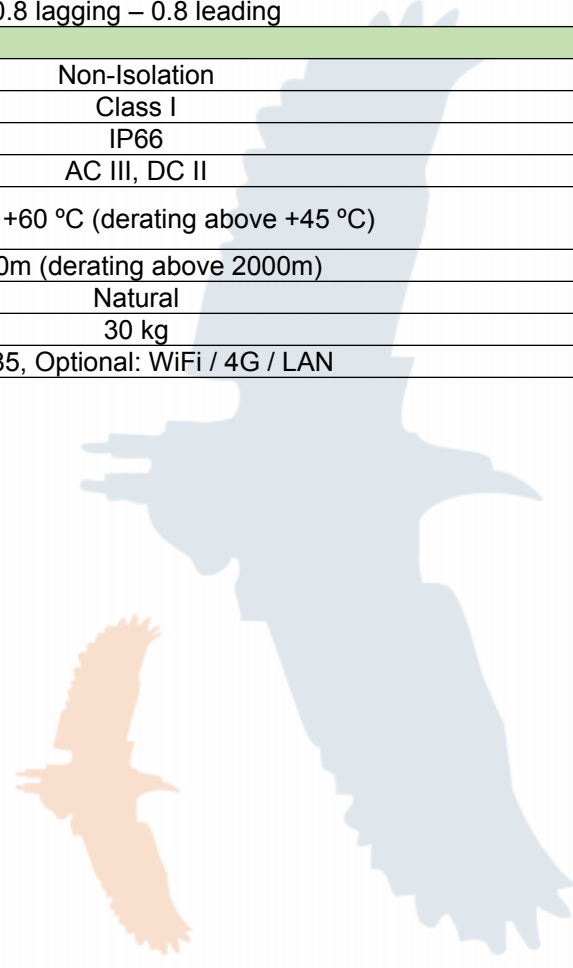
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Rated Output Current	7.6 / 7.2 / 6.9 A	9.1 / 8.7 / 8.3 A	9.9 / 9.4 / 9.0 A	12.1 / 11.6 / 11.1 A	15.0 / 14.3 / 13.8 A	15.2 / 14.5 / 13.9 A	18.2 / 17.4 / 16.7 A
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Max. Output Current	8.3 / 8.0 / 7.6 A	10.0 / 9.6 / 9.2 A	10.9 / 10.3 / 9.9 A	13.3 / 12.8 / 12.2 A	15.0 / 14.3 / 13.8 A	16.7 / 15.9 / 15.3 A	20.0 / 19.1 / 18.3 A
Max. Input Current	15.2 / 14.5 / 13.9 A	18.2 / 17.4 / 16.7 A	19.8 / 18.8 / 18.1 A	24.2 / 23.2 / 22.2 A	30.3 / 29.0 / 27.8 A	30.3 / 29.0 / 27.8 A	33.3 / 31.9 / 30.6 A
Power Factor Range	0.8 lagging – 0.8 leading						
General Parameter							
Inverter Topology	Non-Isolation						
Protective class	Class I						
IP Rating	IP66						
Overvoltage Category	AC III, DC II						
Operating Temperature Range	-30 °C ~ +60 °C (derating above +45 °C)						
Max. Operating Altitude	4000m (derating above 2000m)						
Cooling mode	Natural						
Weight	30 kg						
Communication	RS485, Optional: WiFi / 4G / LAN						




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