

NG1 CAN BUS

Technical Features

SINGLE-PHASE BATTERY CHARGER Mod. NG1 CAN BUS

- Input voltage: **115 VAC** ± 10%
- Input frequency: 50-60 Hz
- Efficiency: > 85%
- Minimum power absorbed: < 5 W
- Current absorbed by the battery: < 0,2 mA
- Operating temperature: from -20 to + 50°C
- Output short-circuit protection (fuse)
- Inverse polarity protection (fuse)
- Charging curve: programmable
- Accuracy on output voltage: ± 0,5%
- Thermal compensation of battery voltage (optional with thermal sensor)
- Acoustic alarm
- Auxiliary contacts of main presence and end of charge (Standard Charger) or of air pump control and end of charge (Charger with air pump)
- Insulated CAN BUS Interface
- Cooling: forced
- Case: Metal base, cover in self-extinguishable ABS
- Size: 300 x 160 x 80 mm
- Weight: 2,2 Kg.
- Enclosure class: IP20
- **CE** In conformity with the requirements of the Low Voltage Directive and of the Directive EMC.



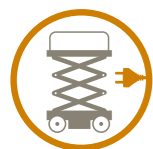
lift trucks



industrial cleaning machine



electric vehicles



platforms



boating

Battery Voltage	Charging time			Type	VAC	I1	Code	IMAX	Mains
	7÷8,5 h	9÷11 h	12÷13 h						
12	240 ÷ 360	400 ÷ 480	520 ÷ 560	12 60	115	50	GGAQCB-07040Q	60	13
24	145 ÷ 215	240 ÷ 290	310 ÷ 335	24 35	115	30	GHBCB-07100	36	13

Further models are available for other battery voltages.
The recharging times are purely indicative and refer to batteries discharged at the 80% of their capacities

ACCESSORIES

THERMAL SENSOR

Compensates the recharging parameters depending on battery temperature.

ZIVAN CAN CONSOLE

Software for the visualization of charging parameters through PC.

USB-TO-CAN ADAPTOR

Cable for connecting battery charger to PC through ZIVAN Can Console.

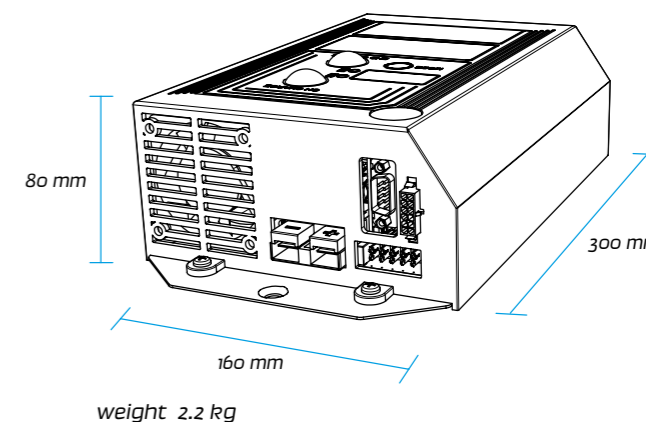
MASTER-SLAVE CONNECTION KIT

Inter-connection cable for connecting more devices in parallel (available in the following versions: MASTER-SLAVE, MASTER-2 SLAVES, MASTER-3 SLAVES).



Battery Charger single-phase

POWER IS COMMUNICATION • The new single-phase battery charger with CAN BUS interface represents an innovation in Zivan's range. Its powerful "flash" microcontroller, with integrated CAN-BUS interface, paves the way for communication with other devices such as the controller, BMS, PC, DISPLAYS, etc.; allowing integration into the most advanced systems. Large onboard memory provides access to relevant items of the charge history, thereby increasing the charger's performance and flexibility. Using a single button on the optional display, it is easy to modify charging features and parameters allowing correct matching to any type of battery (including Lithium technologies). The high power and efficiency of Zivan's chargers guarantees significant energy savings and subsequent economic advantage. All of these features position ZIVAN as leaders in the market, providing state-of-the-art technology and high quality while maintaining a competitive price.



Innovative features

- **POWERFUL AND FLEXIBLE LOGIC CONTROL WITH CAN BUS CONNEXION OPTION**
- **DATA LOGGING AND CLOCK CALENDAR FUNCTIONS**
- **STORAGE OF UP TO 1000 CHARGING CYCLES**
- **PARALLELABLE**
- **CAN OPEN FUNCTION: CHARGER CAN WORK WITH RUN-TIME PARAMETERS CONTROLLED BY AN EXTERNAL DEVICE (E.G. BMS)**
- **INTERNET CONNECTION FOR REMOTE MANAGING & FLASHING**
- **DIGITAL DISPLAY SHOWS PARAMETERS: VOLTAGE, CURRENT, CHARGED AH AND TIME LEFT TO THE END OF CHARGE**
- **DYNAMIC COMPENSATION OF THE VOLTAGE DROP ON THE OUTPUT CABLE**
- **SUITABLE FOR SEVERAL BATTERY TYPES (LYTHIUM-ION, LEAD ACID, GEL, NI-MH, ETC.)**



HIGH FREQUENCY BATTERY CHARGERS



ZIVAN SRL

Via Bertona, 63/1
42028 Poviglio RE ITALIA
Tel. +39 0522 960593
Fax +39 0522 967417
info@zivan.it
www.zivan.it