

# ChargeMaster 24/30-3



Product code: 44020300

# Power you can rely on

- 3-Step+ charging technology for fast and complete charging.
- Safe and complete charging due to standard safety features.
- Memory function prevents overcharging in case of an unstable power supply.
- Clear control panel.
- Easy to install.
- Built-in system functionality (MasterBus) in combination with other Mastervolt products.

## Always on course with Mastervolt...

Mastervolt ensures you an electrical system with no weak links and a dependable and silent power supply. Whether for recreational or professional purposes, with Mastervolt you always have power you can rely on... The power to be independent.

## ChargeMaster battery chargers

Make the most of your batteries with the ChargeMaster, plugging in and charging anywhere in the world. Mastervolt's ChargeMaster guarantees fast and complete charging of your batteries no matter where you are. The ChargeMaster can charge multiple battery banks simultaneously thanks to its combined functionality. Moreover, all ChargeMasters can be easily connected to a MasterBus network with only one cable and one connection. You also have the option of central, local or remote monitoring, configuration and control of your system. The ChargeMaster is available in various models to guarantee you the ideal battery charger for any situation and demand.

# Specifications

## General specifications

|                                      |  |
|--------------------------------------|--|
| Nominal output voltage               | 24 V   |
| Total charge current                 | 30 A   |
| Number of battery outlets            | 3  |
| Charge current second output         | 30 A   |
| Charge current third output          | 30 A   |
| Battery capacity range               | 60-300 Ah  |
| Nominal input voltage                | 120/230 V (90-265 V), 50/60 Hz   |
| AC connection                        | connector strips   |
| Supplies your system without battery | yes  |
| Display/read-out                     | LED display  |
| Dimensions, hxxxd                    | 291 x 210 x 131 mm<br>11.5 x 8.3 x 5.2 inch  |
| Weight                               | 4 kg<br>8.8 lb   |
| Fastening                            | with supplied mounting bracket or 4x screw for wall mounting<br>or 4x screw for floor installation |
| Approvals                            | CE, ABYC A-31, SAE J1171/ISO8846 ignition protected  |

## Technical specifications

|  |  |
|--|--|
| Charge characteristic                    | IUoUo, automatic / 3-step+ for gel/AGM/wet/Lithium Ion               |
| Charge voltage Bulk                      | 28.8 V   |
| Charge voltage Absorption                | 28.5 V   |
| Absorption time                          | 4 hours  |
| Charge voltage Float (wet batteries)     | 26.5 V   |
| Charge voltage Float (gel/AGM batteries) | 27.6 V   |
| Temperature compensation                 | -60 mV/ °C<br>-33 mV/ °F   |
| Voltage compensation                     | automatic  |
| Power consumption (DC side)              | < 2.5 mA   |
| Full load consumption (230 V AC)         | 925 W  |
| Current Control function                 | yes, through MasterBus   |
| Power factor control                     | >= 0.98  |
| Temperature range (ambient temp.)        | -25 °C to 60 °C, derating > 40 °C<br>-13 to 140 °F                   |
| Sound level                              | < 52 dBA at 1 mtr  |
| Protection degree                        | IP23   |
| CSI/DC alarm                             | yes, using a Multipurpose Contact Output (code 77030500)             |
| Protections                              | over temperature, over load, short circuit, high/low battery voltage |

Cooling

MasterBus compatible

vario fan

yes