

# ChargeMaster 12/50-3



Product code: 44010500

# 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	12 V
Total charge current	50 A
Number of battery outlets	3
Charge current second output	50 A
Charge current third output	50 A
Battery capacity range	100-500 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 11.5 x 8.3 x 5.2 inch
Weight	4 kg 8.8 lb
Fastening	with supplied mounting bracket or 4x screw for wall mounting 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	14.4 V
Charge voltage Absorption	14.25 V
Absorption time	4 hours
Charge voltage Float (wet batteries)	13.25 V
Charge voltage Float (gel/AGM batteries)	13.8 V
Temperature compensation	-30 mV/ °C -17 mV/ °F
Voltage compensation	automatic
Power consumption (DC side)	< 5 mA
Full load consumption (230 V AC)	825 W
Current Control function	yes, through MasterBus
Power factor control	>= 0.98
Temperature range (ambient temp.)	-25 °C to 60 °C, derating > 40 °C -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