

ChargeMaster Series: Charge your batteries quickly and completely!



Make the most of your batteries with the ChargeMaster series, plugging in and charging anywhere in the world. Mastervolt's ChargeMaster guarantees fast and complete charging of your batteries no matter where you are. Thanks to Mastervolt's innovative 3-step+ charging process, batteries also perform better and last longer.



All ChargeMasters can be easily connected to a MasterBus network with only one cable and one connection (with the exception of the ChargeMaster 12/10, ChargeMaster 12/15-2 and ChargeMaster 24/6). What's more, you have the option for central, local or remote monitoring, configuration and control of your system.

Clear Display

A clearly lit display on the ChargeMaster provides all essential information: charge current, charge voltage, charge phase and battery content measurement and/or battery condition measurement as a percentage of available Ah capacity. The display also provides an indication of MasterBus communication. Three buttons adjacent to the read-out panel allow for easy operating of the entire system.

The ChargeMaster is available in various models to guarantee you the ideal battery charger for any situation and demand.



FEATURES

- For recreational and semi-professional use.
- Suitable for any type of battery, including Lithium Ion batteries.
- 3-Step+ charging technology for fast and complete charging, also charges depleted batteries.
- Memory function prevents overcharging in case of unreliable mains.
- Safe and complete charging due to standard safety features.
- Charging capacity up to 1000 Ah battery banks.
- Easy to connect and quick to install.
- Can charge multiple battery banks simultaneously.
- Built-in system functionality (MasterBus) in combination with other Mastervolt products.
- Clear control panel.
- Supplies your system without battery.

Charging your batteries with every voltage

The Mastervolt ChargeMaster supplies a maximum capacity wherever you are via auto-ranging. Auto-ranging ensures perfect fully automatic operation anywhere in the world, regardless of the available mains voltage (90-265 V AC, 50 or 60 Hz). The 3-step+ charging technology guarantees fast and complete charging, while the cos phi 1 regulation gets the most out of limited generator capacity.



Robust Connections

Solid metal-to-metal connectors equipped with strain relief prevent corrosion and overheating.



Charging multiple battery banks

The ChargeMaster series has three equal charge outputs. Those of the smaller ChargeMaster models are pre-installed with two metres of cable for a plug & play solution, while the heavier models have one full output (for example for your service battery) and two outputs of 10 A, ideal for your starter batteries.

DC Power Supply









Even if the batteries are not connected, Mastervolt ChargeMaster battery chargers can provide a constant DC output allowing you to turn on lights or keep the fridge cold.

Specifications

ChargeMaster battery chargers

12 V

			
ChargeMaster 12/10	ChargeMaster 12/15-2	ChargeMaster 12/25-3	ChargeMaster 12/35-3
43011000	43011500	44010250	44010350
12 V	12 V	12 V	12 V
10 A at 14.25 V	15 A at 14.25 V	25 A at 13.25 V	35 A at 14.4 V
1	2	3	3
n.a.	15 A	25 A	35 A
n.a.	n.a.	25 A	35 A
25-100 Ah	30-150 Ah	50-250 Ah	70-350 Ah
230 V (180-265 V) - 50/60 Hz	230 V (180-265 V) - 50/60 Hz	120/230 V (90-265 V) - 50/60 Hz	120/230 V (90-265 V) - 50/60 Hz
connector	connector	2 mtr AC cable	connector strips
no	no	yes	yes
1 LED	1 LED	LED	LED
180 x 121 x 50 mm 7.1 x 4.8 x 2 inch	206 x 121 x 50 mm 8.1 x 4.8 x 2 inch	234 x 132 x 60 mm 9.2 x 5.2 x 2.4 inch	291 x 210 x 131 mm 11.5 x 8.3 x 5.2 inch
1 kg / 2.2 lb	1 kg / 2.2 lb	1.8 kg / 4 lb	4 kg / 9 lb
4x screw	4x screw	4x screw	mounting bracket (included) or 4x screw
CE, ABYC A-31, RRR, e-mark	CE, ABYC A-31, RRR	CE, ABYC A-31, SAE J1171/ISO 8846 ignition protected, RRR	CE, ABYC A-31, SAE J1171/ISO 8846 ignition protected, RMRS, RRR
IUoUo, automatic / 3-step+ for Gel/AGM/flooded/Lithium Ion			
no	no	yes	yes
automatic	automatic	automatic	automatic
< 1 mA	< 1 mA	< 2 mA	< 5 mA
170 W	250 W	450 W	575 W
no	no	no	yes, via MasterBus
> 0.95	> 0.95	≥ 0.98	≥ 0.98
-25 °C to 60 °C, derating < 0 °C and > 40 °C / -13 °F to 140 °F, derating < 32 °F and > 104 °F			
natural cooling	vario fan	vario fan	vario fan
IP65	IP21	IP23	IP23
over-temperature, overload, short circuit, high/low battery voltage			
no	no	yes	yes

ACCESSORIES		MasterView Read-out 77010050	n.a.	n.a.	option	option
	<i>Remote panel for reading the charge status of your battery charger, including error notifications.</i>					
		EasyView 5 77010310	n.a.	n.a.	option	option
	<i>Waterproof system monitor with 'daylight readable' colour display and intuitive multi-language touchscreen to show the key system information at a glance. There is also a logbook feature for warnings and alarms, along with a buzzer and alarm notifications. The home button gives access to favorite pages.</i>					
		MasterShunt 77020110	option	option	option	option
	<i>MasterBus integrated battery monitor, with detailed information on the status of your batteries for an optimised charging process, incl. voltage, current, remaining time and consumption capacity in percentage.</i>					
		DC Distribution 77020200	n.a.	n.a.	option	option
	<i>Smallest distribution model available. It connects up to four DC devices to the DC groups, such as a battery charger, inverter, alternators and solar panels. With the included plug & play cable it can be easily connected to the MasterBus network.</i>					
		MasterBus USB Interface 77030100	n.a.	n.a.	option	option
	<i>Communication port between MasterBus and the USB port of your PC; makes possible reading and configuration of your MasterBus system on the PC when combined with MasterAdjust software (free to download).</i>					
		Multipurpose Contact Output 77030500	n.a.	n.a.	option	option
	<i>MasterBus controllable potential-free contact, with alarm notification on the onboard system (low voltage or no AC), usable as CSI alarm contact.</i>					
		Temperature sensor 6m 41500500	delivered as standard	delivered as standard	delivered as standard	delivered as standard
		Temperature sensor 15m 41500800	option	option	option	option

CHECK THE MASTERVOLT SITE FOR
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BACKGROUND)

BATTERY CHARGERS
CHARGE MASTER 12 V



ChargeMaster 12/50-3

44010500

12 V
50 A at 14.4 V
3
50 A
50 A
100-500 Ah
120/230 V (90-265 V)
- 50/60 Hz
connector strips
yes
LED
291 x 210 x 131 mm
11.5 x 8.3 x 5.2 inch
4 kg / 9 lb
mounting bracket
(included) or 4x screw
CE, ABYC A-31, SAE
J1171/ISO 8846 ignition
protected, RMRS, RRR

yes
automatic
< 5 mA
825 W
yes, via MasterBus
≥ 0.98

vario fan
IP23

yes

option

option

option

option

option

option

delivered as standard

option



The following models are also
available in Quick Connect
version with a WAGO 770-113
connector and 25 cm cable:

- ChargeMaster 12/25-3,
product code 44010252
- ChargeMaster 12/35-3,
product code 44010352



In addition to
Mastervolt battery
chargers, we also supply
ProMariner ProNauticP
battery chargers.

For more information, please consult the
ProMariner product catalogue and website.

ProMariner™
PROMARINER.COM









Specifications

ChargeMaster

battery chargers

24 V

			
ChargeMaster 24/6	ChargeMaster 24/12-3	ChargeMaster 24/20-3	ChargeMaster 24/30-3
43020600	44020120	44020200	44020300
24 V	24 V	24 V	24 V
6 A at 28.5 V	12 A at 26.5 V	20 A at 28.8 V	30 A at 28.8 V
1	3	3	3
n.a.	12 A	20 A	30 A
n.a.	12 A	20 A	30 A
25-70 Ah	24-120 Ah	40-200 Ah	60-300 Ah
230 V (180-265 V) – 50/60 Hz	120/230 V (90-265 V) – 50/60 Hz	120/230 V (90-265 V) – 50/60 Hz	120/230 V (90-265 V) – 50/60 Hz
socket	2 mtr AC cable	connector strips	connector strips
no	yes	yes	yes
1 LED	LED	LED	LED
180 x 121 x 50 mm 7.1 x 4.8 x 2 inch	234 x 132 x 60 mm 9.2 x 5.2 x 2.4 inch	291 x 210 x 131 mm 11.5 x 8.3 x 5.2 inch	291 x 210 x 131 mm 11.5 x 8.3 x 5.2 inch
1 kg / 2.2 lb	1.8 kg / 4 lb	4 kg / 9 lb	4 kg / 9 lb
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CE, ABYC A-31, RRR, e-mark	CE, ABYC A-31, SAE J1171/ISO 8846 ignition protected, RRR	CE, ABYC A-31, SAE J1171/ISO 8846 ignition protected, RMRS, RRR	CE, ABYC A-31, SAE J1171/ISO 8846 ignition protected, RMRS, RRR
IUoUoo, automatic / 3-step+ for Gel/AGM/flooded/Lithium Ion			
no	yes	yes	yes
automatic	automatic	automatic	automatic
< 1 mA	< 2 mA	< 2.5 mA	< 2.5 mA
210 W	435 W	660 W	925 W
no	no	yes, via MasterBus	yes, via MasterBus
> 0.95	≥ 0.98	≥ 0.98	≥ 0.98
-25 °C to 60 °C, derating < 0 °C and > 40 °C / -13 °F to 140 °F, derating < 32 °F and > 104 °F			
natural cooling	vario fan	vario fan	vario fan
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QUOTE

"Before we became the Mastervolt distributor for Spain more than a decade ago now, we had the experience of knowing and distributing other products by competing brands. Based on our wide knowledge of the marine and automotive sectors, we can affirm that the price/quality ratio of Mastervolt products is excellent and represents a smart choice for the customer."

VICENTE SANLORENZO, CEO
AZIMUT ELECTRONICS, SPAIN



The following models are also available in Quick Connect version with a WAGO 770-113 connector and 25 cm cable:

- ChargeMaster 24/20-3, product code 44020202
- ChargeMaster 24/30-3, product code 44020302

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