

PowerCharger Basic System

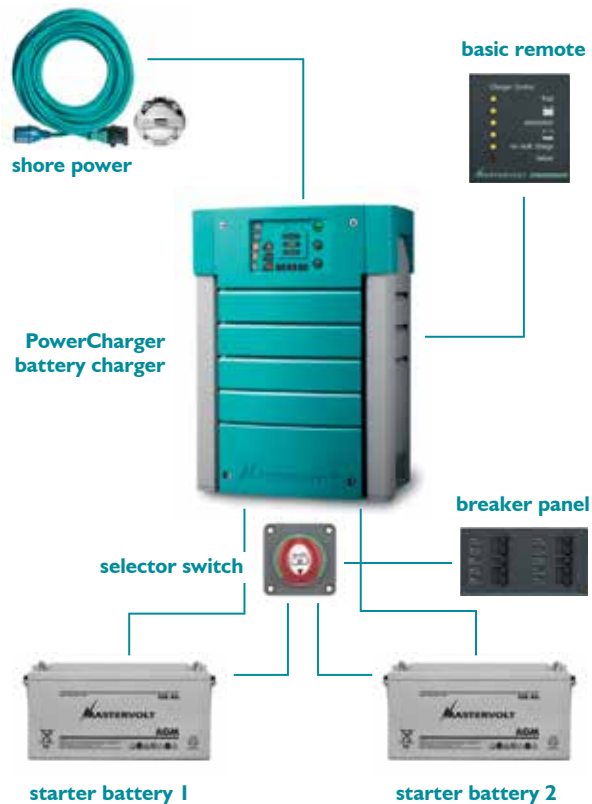
Redundant dual battery system with selector switch and battery charger when shore power is available.

Includes:

- PowerCharger
- AGM batteries
- MasterView Read-out remote panel

PowerCharger optional items:

- MasterView Read-out remote panel (part # 77010050)
- Battery temperature sensor (part # 41500500)



Specifications



	PowerCharger 12/20-3	PowerCharger 12/40-3
Part #	44210200	44210400

GENERAL SPECIFICATIONS

Nominal input voltage & frequency	120/240 V AC (90-135 & 180-265 V AC)	
Frequency	50/60 Hz	
Nominal output voltage	12 V	
Total charge current (up to 104 °F)	20 A at 14.4 V	40 A at 14.4 V
Number of battery outlets	3 full outputs	
Battery type settings	lead acid, gel, AGM or spiral	
Dimensions & weight	8.3" x 5.1" x 2.4" 4 lbs	11.5" x 8.3" x 5.2" 8.8 lbs
Recommended battery capacity	40-200 Ah	70-350 Ah
Power factor regulations	> 0.98	
Voltage compensation	yes, by means of automatic compensation	
Temperature compensation	battery temperature sensor may be purchased separately, part # 41500500	
DC consumption	< 5 mA	
Display	unit has a display for charge current/voltage & charger status indication, monitoring up to 3 battery banks	
Temperature range	minus 13 °F to 149 °F	
Cooling	variable speed fans and natural cooling	
Sound level	< 52 dBA at 1 m	
Protection degree	IP23	
Approvals	CE certified, meets ABYC & UL 1236 requirements EMC FCC Class B	
Safety	over temp. shutdown, ignition protected, overload protection, surge and short circuit protection	
MasterBus connectivity	PowerChargers are NOT compatible with MasterBus. Please use the Mastervolt ChargeMaster series.	

Subject to alterations. For our complete product range please visit www.mastervolt.us

Version # 261011.
Part # 500007668.



Powering the comforts of home anywhere, any time

PowerCharger



Charging up to three batteries simultaneously

Easy to install

User-friendly operation

MASTERVOLT
THE POWER TO BE INDEPENDENT

PowerCharger

Your introduction to the quality of Mastervolt, the high performance marine PowerChargers offer you many features in a lightweight, compact design. PowerCharger battery chargers feature high frequency switch mode technology, which makes them extremely efficient and lightweight. Designed for worldwide marine applications (90-265 V AC, 50/60 Hz), they are also power factor corrected (> 0.98).

PowerChargers may be used with lead acid, gel, AGM or spiral batteries and will charge up to 3 battery banks simultaneously. Their built-in memory functions prevent overcharging.

PowerChargers include an auxiliary power supply to provide DC voltage even if the batteries are not connected and can revive a 'dead battery'. They supply optimal charging in a wide variety of ambient temperatures and feature variable speed fans. Offering full charging current even with low quality power, they offer no reduction of charging power if input power is low.

Designed specifically for the marine environment with corrosion-resistant materials, the PowerChargers feature easy-to-read displays and captive screws for ease of installation and operation. All PowerChargers meet global standards including FCC class B, over temperature, ignition protection, UL, ABYC requirements and are CE certified.

The PowerCharger series is not compatible with Mastervolt's MasterBus network CANbus system. If you'd like to expand to this system, please use the ChargeMaster series in your application.

More information?

Contact your nearest sales agent or visit www.mastervolt.us



12V/20A PowerCharger



12V/40A PowerCharger



Features

- 12 Volt, 20 A and 40 A models
- Universal input (90-265 V AC, 50/60 Hz), one charger for domestic and international applications
- Fully automatic, multi-stage battery charging of up to 3 battery banks
- Settings for lead acid, gel, AGM or spiral batteries
- Powers your system even without batteries connected
- Ability to charge a 'dead battery'
- Compatible with low-quality power sources, will not decrease charging power
- Safety features: Over temp. shutdown, ignition protection, overload protection, surge and short circuit protection
- Meets global industry standards including: CE certified, meet ABYC and UL 1236 including marine supplement, ignition-protected, EMC FCC Class B
- 2-year warranty



Robust connections, easy installation



Functional design, easy to install



Clear read-out panels