



MASTERVOLT CHARGEMASTER PLUS 24/110-2

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All-in-one solution for faster and safer charging

ChargeMaster Plus is the next generation of battery chargers that integrates multiple functions into one single device. Replacing auxiliary chargers, battery isolators and VSR, ChargeMaster Plus reduces system complexity and cost. Designed for versatility, it charges virtually any combination of two batteries in a fast and safe way and works anywhere in the world.

With the new Battery's Best Friend architecture, ChargeMaster Plus is capable of charging a multitude of battery chemistries, sizes and voltages. All batteries are charged with the fast and safe 3-step+ charge method. Other unique features are:

Revival mode: automatically revives even fully depleted batteries.

Multi voltage: charge 12 V starter battery in a 24 V system, without additional components.

Priority Charge: redirect available power to the lowest battery, for faster charging.

Global Charging

The ChargeMaster Plus handles worldwide AC voltages and frequencies. Resisting large voltage fluctuations and high temperatures, it keeps working in harsh environments. For marine and mobile markets, the ChargeMaster Plus is CE, ABYC, UL, SAE, CEC/DOE and RCM/C-Tick compliant.

System Simplicity

Nowadays, equipment must be self-explaining. The ChargeMaster Plus displays the charge phase of all outputs in an understandable way. Robust and ergonomic connections save installation time.

Powerful Communications thanks to CZone integration

In modern applications, all electrical components work together. The CAN-based MasterBus enables the ChargeMaster Plus to communicate with displays, shunts and power systems including communication standards like CZone®, NMEA 2000 and CANopen (through additional interfaces).

Features

Multicharger with two outputs, DC-DC converter and current limiter.

Combine Lithium Ion, Gel or AGM, and large or small battery banks on a single battery charger.

Extended specifications: offers 20 % more output at 14.4 V and 80 % charging power at 60 °C.

Safe Charge: quickly recognize the State of Charge for extended battery life.

Very wide operating range of 80-275 V AC, 35-70 Hz.
 Compact, easy to connect and quick to install.

If you are looking for a product with similar characteristics [CLICK HERE](#).

Not binding images and technical data.

Technical Sheet

Frequency (Hz)	50 / 60
Cooling	Vario fan
Protection degree	IP23
Length (mm)	127
Width (mm)	250
Height (mm)	384
Nominal output voltage (V)	24
Total charge current	100 A at 28.8 V
Number of battery outlets	2 (max)
Battery capacity range (Ah)	400-1000
Nominal input voltage (V)	120/230 V (80-275 V) 50/60 Hz
AC connection	terminals for cables up to 6 mm ²
Power supply mode	Yes
Display/read-out	LED display
Charge characteristic	IUoUo, automatic 3-stage+ for Gel/AGM/liquid lead/Lithium-ion + user-defined option
Power factor control	? 0.98
Temperature range (ambient temp.)	-25 °C to 60 °C, derating less than 0 °C and greater than 40 °C -13 °F to 140 °F
Protections	Over temperature, over load, short circuit, high/low battery voltage
Weight (Kg)	6.3