Mass 24/15-2

Product code: 40020156

MASTERVOLT
THE POWER TO BE INDEPENDENT

The right choice for demanding conditions

Mass battery chargers are designed for the toughest conditions for professional, semi-professional and recreational purposes. Even under the most extreme conditions the products from the Mass series operate faultlessly, giving you round-the-clock output when necessary. The sustainability and technologies that underpin the Mass concept have long been proven in practice. With an MTBF of 180,000 hours at full capacity and 24/7 use, the Mass products are ideal for the toughest tasks and any situation that requires a reliable power supply.

Powerful selling points

- Designed for the most difficult conditions.
- Lightweight, stainless steel, anodised aluminium casing.
- Coating of internal components prevents damage from damp or condensation to ensure a longer lifespan.
- Insensitive to electromagnetic effects from other devices.
- Suitable for every type of battery, also charges flat batteries.
- Delivered as standard with temperature sensor.
- Full power at temperatures of up to 40 ËšC.
- Load capacities from 80 to 1000 Ah or more.
- Stable and ripple free power supply, even without batteries.
- The Current Control function prevents the breakdown of fuses when the voltage drops.
- Parallel switching possible using multiple battery chargers.
- Connections in accordance with CE, ABYC A-31 and IEC60945.
- GMDSS models and panels available.
- Certified by RRR, RMRS (does not apply to 24/75 120 V).
- Certified by DNV GL (only 24/25, 24/50, 24/75, 24/75 (120 V), 24/100 (1ph) models).

GMDSS Compatible

The Mass series are designed for the most demanding situations. To help you comply with SOLAS regulation, all Mass battery chargers are GMDSS compatible. GMDSS stands for Global Maritime Distress and Safety System, and allows users to monitor various alarm functions. GMDSS versions of the Mass 24/25 DNV, Mass 24/50, Mass 24/75, Mass 24/100 and Mass 24/100-3ph are available.

A separate remote panelremote panel is available, which is compatible with all Mass battery chargers.

A single front display with GMDSS remote panel is available for:

- Mass 24/25-2 DNV Mass 24/25-2 DNV
- Mass 24/50-2Mass 24/50-2
- Mass 24/75, Mass 24/100, Mass 24/100-3phMass 24/75, Mass 24/100, Mass 24/100-3ph

Charging Lithium Ion batteries

Although Lithium Ion batteries are increasingly popular, there can be a lack of clarity when it comes to the charging process. This is not a problem with Mastervolt as the Mastervolt battery chargers communicate directly with the Lithium Ion battery via the integrated MasterBus (or have been adapted to the required charging voltages).

MasterBus compatible

Mass battery chargers can be easily connected to a MasterBus network with only one cable and one connection. You can also choose central, local or remote monitoring, configuration and control of your system.

Made tough by smart design

The certified Mass battery chargers are very strong, designed to withstand heavy vibrations and shocks. Their premium quality components meet the highest possible specifications, while the smart and extra robust mounting adds to the professional end result.

Specifications

General specifications

Nominal output voltage	24 V
Total charge current	15 A at 28.5 V
Number of battery outlets	2
Charge current second output	3 A
Battery bank size	30-150 Ah
Nominal input voltage	230 V (180-265 V), 50/60 Hz
Power supply mode	yes
Galvanic isolation	yes
Display/read-out	LED display
Dimensions, hxwxd	325 x 220 x 111 mm
	12.8 x 8.7 x 4.4 inch
Weight	3.3 kg
	7.3 lb
Compliance	CE, ABYC A-31, RRR, RMRS

Technical specifications

Charge characteristic	IUoUo, automatic 3-step+ for Gel/AGM/wet/Lithium Ion
Charge voltage Bulk	28.5 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 sensor	yes (included)
DC voltage compensation	yes
Power consumption (DC side)	< 1 mA
Full load consumption (230 V AC)	550 W
Current Control function	yes, through MasterBus
Power factor control	> 0.95
Temperature range (ambient temp.)	-25 °C to 80 °C, derating > 40 °C
	-13 to 176 °F
Cooling	vario fan
Protection degree	IP23
Protections	over temperature, over load, short circuit, high/low battery voltage
MasterBus compatible	yes
Charger Status Interface (alarm contact)	yes