

Mass 48/50



PN 40040500

- Approved for GMDSS
- Parallel linking for higher output
- Three-step charging system
- No battery gassing
- For use with gel, AGM or wet batteries
- Easy to fit to a bulk head or shelf
- Intelligent cooling concept
- Several remote panels available as option
- Delivered with a temperature sensor, six metre cable and telejack plug
- 100% performance in the hottest engine room
- Corrosion-proof aluminium casing
- Sound internal DC and AC connections
- Developed especially for intensive use
- Light and small model

Description

Install Mastervolt Mass battery chargers and rest assured that your batteries are always quickly and completely charged, whether you are at home, on the road or at sea with low shore power or limited supply.

Designed for larger, more professional systems with larger battery capacities, the basic technology consists of high-frequency electronics with no heavy or noisy transformers. Thanks to the intelligent cooling concept, the Mass battery charger offers maximum performance, even in the hottest engine room. Besides the fast and complete charging of batteries up to 500 Ah (48V) (recommended) this 230V charger also functions as a supply unit when the input is low, automatically making up the full capacity in the 48V circuit. Mastervolt's three-step charging method guarantees optimum efficiency, meaning your batteries will perform better and last much longer. Its direct current outlet is so clean that the battery charger itself can be used as direct power source, even without a battery.

The high-frequency switch-mode technology, in which advanced microprocessors combine a myriad of functions, causes an extremely accurate charge characteristic. Furthermore, this Mass battery charger has an unique memory function which prevents the charger starting a new three-stage charge cycle if the supply voltage is interrupted. The model is equipped with an LED status indicator displaying the stage of the three-stage charge cycle while several remote panels are available as option for even more convenience. All in all it gives you the power to be independent!

Specifications

GENERAL SPECIFICATIONS

Nominal input voltage	230V (180-250V)
Nominal output voltage	48V
Total charge current	50A
Number of battery outlets	1
Charge characteristic	IUoUo, automatic 3-step(+)
Charge voltage (bulk) (25 °C)	57.0V
Charge voltage (absorption) (25°C)	57.0V
Charge voltage (float - wet) (25°C)	23.0V
Charge voltage (float - gel/AGM) (25°C)	55.2V
Maximal absorption time	6 hours
Minimal absorption time	15 minutes
Length/width/height	420/318/130 mm
Weight	7.7 kg
Battery capacity (recommendation)	100-500 Ah

TECHNICAL SPECIFICATIONS

Power factor regulation	>0,95
Full load consumption (230V AC)	3500 Watt
Temperature compensation by means of a temperature sensor	-120mV/°C
Voltage compensation	sense-connection
DC consumption with connected battery	<5mA
Temperature range	0°C to +60°C, fully safeguarded against overheating and short circuiting
Cooling	vario fan
Sound level	<54 dBA
Protection degree	IP23
Enclosure	type C3
DNV/GL/Lloyds/RS/UL/Bureau Veritas approval	yes

OPTIONS

Panel CC (remote control) (art.nr. 70405030)	yes
Monitor C-4-RB (remote) (basic) (art.no. 70404100)	yes
Monitor C-3-RS (remote) (standard) (art.no. 70403040)	yes
Masterlink MICC (art.no. 70403105)	yes
System Manager MICC (art.no. 70400115)	yes
MasterAdjust communication connection	QRS232+RS485 (galvanic isolation RS485 communication port)
Universal connection cables for remote controls	6 metre (art.no. 6502001030), 10 metre (art.no. 6502100100) and 15 metre (art.no. 6502100150)
Digital LCD panel (charger interface):	no

Accessories



Panel C-0-SC-3 (Power System Control panel 3) (AC/DC)



Panel C-0-SC-4 (Power System Control panel 4) (AC/DC + Whisper)



System Manager MICC



Monitor C-3-RS remote standard, series 3



Monitor C-4-RB remote basic, series 4



Panel CC remote control



MasterBus-Serial Interface