Mass 24/25-2 (DNV certificate)

PN 40720255

Developed especially for intensive use

Two battery outlets

Light and small model

100% performance in the hottest engine room

Corrosion-proof aluminium casing

Sound internal DC and AC connections

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

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 two batteries up to 250 Ah (24V) (recommended) this 230V charger also functions as a supply unit when the input is low, automatically making up the full capacity in the 24V 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. This Battery Charger has been certified by Det Norske Veritas (DNV), a Norwegian classification society for professional shipping and offshore activities. Their requirements in term of safety and functionality are very strict, and approval is required by many insurance companies. All in all it gives you the power to be independent!

Specifications

GENERAL SPECIFICATIONS	
Nominal input voltage	230V (180-250V)
Nominal output voltage	24V
Total charge current	25A
Number of battery outlets	2
Charge current second output	3A
Charge characteristic	IUoUo, automatic 3-step(+)
Charge voltage (bulk) (25 °C)	28.80V
Charge voltage (absorption) (25°C)	28.50V
Charge voltage (float - wet) (25°C)	26.50V
Charge voltage (float - gel/AGM) (25°C)	27.60V
Maximal absorption time	6 hours
Minimal absorption time	15 minutes
Length/width/height	365/220/111 mm
Weight	3.5 kg
Battery capacity (recommendation)	50-250 Ah

TECHNICAL SPECIFICATIONS

Power factor regulation	>0,95
Full load consumption (230V AC)	880 Watt
Temperature compensation by means of a temperature sensor	-60mV/°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 C1 (Enlarged)
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
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):	yes (art.no. 21709150)

Accessories

MasterBus-Serial Interface

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