



MASTERVOLT MASS 24/100-3ph LITHIUM BATTERY CHARGER

Reference: 40031006

MASTERVOLT MASS 24/100-3ph LITHIUM BATTERY CHARGER

The MASTERVOLT MASS 24/100-3ph battery charger has a nominal voltage of 24 V and features an LED display for digital readout and remote control. **GMDSS**.

MASTERVOLT MASS 24/100-3ph battery chargers are designed for heavy duty service in professional, semi-professional and recreational environments. Even under extreme conditions, the MASTERVOLT MASS 24/100-3ph will run smoothly at full power.

The reliability and technologies behind these chargers have been proven in practice for many years. With an average lifetime (MTBF) of 180.000 hours at full load in 7/24 operation, the MASTERVOLT MASS 24/100-3ph are ideal for the most demanding tasks and in any situation where a reliable energy supply is needed. MASTERVOLT MASS 24/100-3ph can be easily connected to the MasterBus network with one cable and one connection.

MASTERVOLT MASS 24/100-3ph TECHNICAL SPECIFICATIONS

Nominal voltage: 24 V
Total charging current: 100 A at 28.5 V
Number of battery outputs: 1
Battery capacity range: 200-1000 Ah
Nominal input voltage: 3 x 400 V (365-550 V), 50/60 Hz
Input voltage range: 365-550 V
Power supply function (even without battery): yes
Galvanic isolation: yes
Display/readings display: LED
Charging voltage in Bulk: 28.5 V
Charging voltage in Absorption: 28.5 V
Absorption time: 4 hours
Temperature sensor: yes (included)
Self-consumption (DC side): < 1 mA
Full load consumption (230 V AC): 3500 W
Current Control function: yes, via MasterBus
Power factor: > 0.95
Ambient temperature: -25 °C to 80 °C, reduction > 40 °C
Cooling: variable speed fan
Degree of protection: IP23
Protections: overtemperature, overload, short-circuit, high/low battery voltage
MasterBus compatible: yes
Charger status interface (CSI) (alarm counting): yes
Depth: 130 mm

Width: 318 mm
 Height: 420 mm
 Weight: 7.7 kg

Looking for a charger with different technical specifications? [Here](#) you can find the full range of MASTERVOLT chargers or other specialized brands.

Images and technical data are not binding and may be subject to change by the manufacturer.

Technical Sheet

Frequency (Hz)	50 / 60
Cooling	Vario fan
Protection degree	IP23
Length (mm)	130
Width (mm)	318
Height (mm)	420
Nominal output voltage (V)	24
Total charge current	100 A at 28.8 V
Number of battery outlets	3
Battery capacity range (Ah)	200-1000
Nominal input voltage (V)	3 x 400 V (365-550 V)
Power supply mode	Yes
Display/read-out	LED display
Approvals	CE, ABYC A-31, RRR, RMRS, Lloyds, DNV GL
Charge characteristic	IUoUo, automatic 3-stage+ for Gel/AGM/liquid lead/Lithium-ion + user-defined option
Charge voltage Bulk (V)	28.5
Charge voltage Absorption (V)	28.5
Absorption time (h)	4
Charge voltage Float (wet batteries) (V)	26.5
Charge voltage Float (Gel/AGM batteries) (V)	27.6
Temperature sensor	Yes (included)
DC voltage compensation	Yes
Power consumption (DC side) (mA)	Less than 1
Full load consumption (230 V AC) (W)	3500
Current Control function	Yes, through MasterBus
Power factor control	Greater than 0.95
Temperature range (ambient temp.)	-25 °C at 80 °C, reduction greater than 45 °C -13 °F at 176 °F

Protections	Over temperature, over load, short circuit, high/low battery voltage
MasterBus compatible	Yes
Charger Status Interface (alarm contact)	Yes
Weight (Kg)	7.7
