Mass Combi 12/4000-200 (230 V)

Product code: 36014005

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THE POWER TO BE INDEPENDENT

A Mastervolt Mass Combi offers best price/quality ratio. The exceptionally reliable Mass Combi series offers a lot of power at a highly competitive price. In addition, the four models are also available in two customer-friendly variations with remote control or MasterBus.

The powerful 3-step+ battery charger guarantees maximum battery life and can simultaneously charge two battery banks. The inverter with high peak power starts even the heaviest loads, with the Mass Combi 12/1600 being easily sufficient for your espresso machine. A built-in distribution system switches between grid and inverter power, while two separate AC outputs allow users to connect critical loads to a preferred group.

Grid connected solar power system with energy storage

The Mass Combi enables the expansion of a grid connected solar power system with energy storage in batteries. This way the majority of the generated energy is used, and users are less dependent on the electricity grid. In this setup, the Mass Combi is part of a MasterBus controlled system.

Benefits of the Mass Combi:

· Compact, lightweight and no hum thanks to HF technology.
· High yield and more power from your batteries.
· Intelligent 3-step+ battery charger with low DC ripple current for fast charging times and long battery life.
· Charges two individual battery banks simultaneously.
· Quiet, powerful inverter with 200 % peak power.
· Power Assist: prevents blown fuses.
· Pure sine wave energy prevents failures and damage to sensitive equipment such as adapters.
· Dual AC outputs to separate critical equipment from heavy loads.
· Higher yields possible via parallel switching (only for 2200 and 2600 W models).
· Professional connections ensure fast installation and operational security.
· CE approved and E-marking for mobile applications.

Maximise your convenience with a Mass Combi package deal

Combi deal with MasterBus (MB version)

To integrate the Mass Combi into a MasterBus system in a simple manner, Mastervolt can deliver all Mass Combi models in a MasterBus version. The relevant product code includes the Mass Combi model of your choice, complemented by a MasterBus Combi interfaceMasterBus Combi interface.

Combi deal with remote control (Remote version)
In addition, Mastervolt can provide all Mass Combi models in a Remote version so that the AC and DC power status can be monitored remotely. The relevant product code includes the Mass Combi model of your choice, plus an ICCICC and an APCAPC remote control panel.

Specifications

Specifications sine wave inverter

Nominal DC voltage	12 V (10-15 V)
Output voltage	230 V - 50 Hz, ± 0.05% (60 Hz adjustable, ± 0.05%)
Output waveform	true sine
Continuous power at 25 °C / 77 °F, cos phi 1	3750 W - 16.5 W
Max. peak load	7500 W - 32 W
Parallel configuration	no
Synchronise with mains/generator	yes
Efficiency	90 %

Specifications battery charger

Nominal input voltage	230 V (180-265 V) - 45-65 Hz
Max. charge current at 25 °C / 77 °F	200 A at 14.25
Primary AC consumption (full charge)	3312 W - 14.4 A
Charge voltage 25 °C (Absorption/Float)	14.25/13.25 V
Secondary charger output current	2x 5 A
Battery temperature sensor	delivered as standard with 6 mtr cable and telejack plug

Specifications transfer system

AC output 1	25
AC output 2	50

General specifications

Display/read-out	LED display
Dimensions, hxwxd	496 x 318 x 279 mm
	19.5 x 12.5 x 11.0 inch
Weight	21 kg
	46.3 lb
Compliance	CE, E-mark, ABYC A-31

Technical specifications

Charge characteristic	IUoUo, automatic 3-step+ for gel/AGM/wet/Lithium Ion
Transfer time	10 ms
Ground relay	yes, adjustable by DIP switch
Temperature range (ambient temp.)	-25 °C to 80 °C, derating > 25 °C
	-13 to 176 °F
Cooling	maintenance-free vario fans
Protection degree	IP23
Protections	over temperature, over load, short circuit, high/low battery voltage
MasterBus compatible	yes, in combination with a MasterBus Combi Interface

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