

Remote Control and Monitoring options

MasterBus compatible via SmartRemote or EasyView 5 display.



CZone / NMEA 2000 compatible via Touch 5 or Touch 10 display.



NMEA 2000 compatible via 3rd party multifunctional displays, like Simrad, B&G, Lowrance, Garmin, Furuno and Raymarine.

SIMRAD

B&G

LOWRANCE

GARMIN

FURUNO

Raymarine



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COMBIMASTER SERIES

UNMATCHED PERFORMANCE
AT AN UNPRECEDENTED PRICE

MASTERVOLT

Designed with the customer in mind and using the latest technology, the CombiMaster inverter / charger is all about user-friendliness and reliability. But don't let that friendly appearance misguide you: the powerful CombiMaster range drives even the heaviest and most sensitive loads with ease!

The CombiMaster delivers pure sine wave inverter power and multi-chemistry battery charging. Power dips belong to the past due to the automatic AC transfer system switching between generator or mains and inverter output, ensuring a constant power supply.

Available in both 12 V and 24 V models, the CombiMaster range delivers unmatched performance and value for money. As you would expect from Mastervolt, the CombiMaster is completed with MasterBus, CZone and NMEA 2000 compatible communication, allowing for a broad range of monitoring and system integration options.







FEATURES

- Most compact and lightweight Combi in its class.
- Reliable, hum-free and longer operation from your batteries.
- Starts even the heaviest and most sensitive loads.
- Intelligent 3-step+ battery charger for faster and safer charging.
- Automatic switching between mains and inverter mode.
- Power Assist prevents blown mains fuses.
- Generator compatible.
- Integrated CZone*, MasterBus and NMEA 2000 communication.
- Quick installation with heavy duty connections.
- E-mark certified.

* Full CZone compatibility expected September 2019.

Specifications

	 CombiMaster 12/3000-100	 CombiMaster 12/2000-60	 CombiMaster 24/3000-60	 CombiMaster 24/2000-40
Product code 230 V	35013000	35012000	35023000	35022000
Product code 120 V	All CombiMaster models are also available in 120 volts. See www.mastervolt.com/combiaster for product codes and specifications.			
SPECIFICATIONS SINE WAVE INVERTER				
Nominal DC voltage	12 V (10.2–16 V)	12 V (10.2–16 V)	24 V (20.4–32 V)	24 V (20.4–32 V)
Output voltage	230 V	230 V	230 V	230 V
Output frequency	50/60 Hz, configurable	50/60 Hz, configurable	50/60 Hz, configurable	50/60 Hz, configurable
Output waveform	true sine	true sine	true sine	true sine
Continuous power at 40°C / 104°F	3000 VA / 2600 W	2000 VA / 1600 W	3000 VA / 2600 W	2000 VA / 1600 W
Peak power (30 sec)	4500 VA / 3900 W	3000 VA / 2400 W	4500 VA / 3900 W	3000 VA / 2400 W
Surge power (5 sec)	6000 VA / 5200 W	4000 VA / 3200 W	6000 VA / 5200 W	4000 VA / 3200 W
Max. efficiency	93 %	93 %	93 %	93 %
Battery no-load power consumption	30 W (on mode) / < 1 mA (off mode)	20 W (on mode) / < 1 mA (off mode)	30 W (on mode) / < 1 mA (off mode)	20 W (on mode) / < 1 mA (off mode)
Energy saving mode consumption	10 W	10 W	10 W	10 W
Synchronization with mains	yes	yes	yes	yes
SPECIFICATIONS BATTERY CHARGER				
Input voltage range	170 – 280 V	170 – 280 V	170 – 280 V	170 – 280 V
Max. input current	10 A (adjustable)	6 A (adjustable)	13 A	8 A
Max. charge current at 40 °C / 104 °F	100 A at 14.25 V, configurable	60 A at 14.25V, configurable	60 A at 28.5 V, configurable	40 A at 28.5 V, configurable
Battery temperature sensor	yes, included	yes, included	yes, included	yes, included
Battery voltage sense	automatic compensation	automatic compensation	automatic compensation	automatic compensation
SPECIFICATIONS TRANSFER SYSTEM				
AC input	25 A	25 A	25 A	25 A
AC output	38 A	33 A	38 A	33 A
AC input fuse	yes	yes	yes	yes
Transfer speed	10 ms	10 ms	10 ms	10 ms
Transfer voltage range	wide: 90 – 280 V / narrow: 170 – 280 V	wide: 90 – 280 V / narrow: 170 – 280 V	wide: 90 – 280 V / narrow: 170 – 280 V	wide: 90 – 280 V / narrow: 170 – 280 V
Transfer frequency range	40-65 Hz	40-65 Hz	40-65 Hz	40-65 Hz
GENERAL SPECIFICATIONS				
Display/read-out	LED display	LED display	LED display	LED display
Dimensions, h×w×d	448 × 284 × 155 mm 17.6 × 11.2 × 6.1 inch	371 × 284 × 155 mm 14.6 × 11.2 × 6.1 inch	448 × 284 × 155 mm 17.6 × 11.2 × 6.1 inch	371 × 284 × 155 mm 14.6 × 11.2 × 6.1 inch
Weight	9.3 kg / 20.5 lb	6.9 kg / 15.2 lb	9.3 kg / 20.5 lb	6.9 kg / 15.2 lb
Approvals	CE, E-mark, AZ/NZS	CE, E-mark, AZ/NZS	CE, E-mark, AZ/NZS	CE, E-mark, AZ/NZS
TECHNICAL SPECIFICATIONS				
Recommended battery capacity (based on gel batteries, may differ for other types)	300 – 800 Ah	180 – 500 Ah	180 – 500 Ah	120 – 320 Ah
Charge characteristic	IUoUo, automatic / 3-step+ for flooded, Gel/AGM and MLI (configurable)			
Ground relay	yes, configurable by means of mechanical jumper			
Temperature range (ambient temp.)	-25 °C to 60 °C, derating > 40 °C / -13 °F to 140 °F, derating > 104 °F			
Cooling	vario fan			
Protection degree	IP23 (vertical mounting)			
Safety class	IEC protection class I			
Humidity protection	conformal coating, max. 95 % relative humidity, non condensing			
Protections	over-temperature, overload, short circuit, high/low battery voltage			
Power Assist	yes, supports AC input with power from the battery			
Power Sharing	yes, allows you to select AC input fuse setting			
MasterBus compatible	yes			
CZone / NMEA 2000 compatible	yes, pending (expected September 2019)			