

NEW

CombiMaster series: Unmatched performance at an unprecedented price

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!

With the CombiMaster, power dips and failures belong to the past. The automatic AC transfer system switches between generator or mains and inverter output, ensuring a constant power supply. Its Power Assist function prevents tripping of the mains fuse in case you're connected to a weak land line or small generator.

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.

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 display.










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.



Specifications CombiMaster 230 V

	NEW MODEL	NEW MODEL	NEW MODEL	NEW MODEL
				
	CombiMaster 12/2000-60	CombiMaster 12/3000-100	CombiMaster 24/2000-40	CombiMaster 24/3000-60
Product code 230 V	35012000	35013000	35022000	35023000
GENERAL 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	2000 VA / 1600 W	3000 VA / 2600 W	2000 VA / 1600 W	3000 VA / 2600 W
Peak power (30 sec)	3000 VA / 2400 W	4500 VA / 3900 W	3000 VA / 2400 W	4500 VA / 3900 W
Surge power (5 sec)	4000 VA / 3200 W	6000 VA / 5200 W	4000 VA / 3200 W	6000 VA / 5200 W
Max. efficiency	93 %	93 %	93 %	93 %
Battery no-load power consumption	20 W (on mode) / < 1 mA (off mode)	30 W (on mode) / < 1 mA (off mode)	20 W (on mode) / < 1 mA (off mode)	30 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
GENERAL SPECIFICATIONS BATTERY CHARGER				
Input voltage range	170 – 280 V	170 – 280 V	170 – 280 V	170 – 280 V
Max. input current	6 A (adjustable)	10 A (adjustable)	8 A	13 A
Max. charge current at 40 °C / 104 °F	60 A at 14.25V, configurable	100 A at 14.25 V, configurable	40 A at 28.5 V, configurable	60 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 (switched)	25 A	25 A	25 A	25 A
AC output	33 A	38 A	33 A	38 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, hxxwxd	371 x 284 x 155 mm 14.6 x 11.2 x 6.1 inch	448 x 284 x 155 mm 17.6 x 11.2 x 6.1 inch	371 x 284 x 155 mm 14.6 x 11.2 x 6.1 inch	448 x 284 x 155 mm 17.6 x 11.2 x 6.1 inch
Weight	6,9 kg / 15.2 lb	9.3 kg / 20.5 lb	6,9 kg / 15.2 lb	9.3 kg / 20.5 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)	180 – 500 Ah	300 – 800 Ah	120 – 320 Ah	180 – 500 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	vario fan	vario fan	vario fan
Protection degree	IP23 (vertical mounting)	IP23 (vertical mounting)	IP23 (vertical mounting)	IP23 (vertical mounting)
Safety class	IEC protection class I	IEC protection class I	IEC protection class I	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 / CZone / NMEA 2000 compatible delivered as standard with 1 mtr Mastervolt-CZone drop cable	yes	yes	yes	yes

ACCESSORIES				
	Waterproof system monitor with 'daylight readable' colour display and intuitive multi-language touchscreen to show the key system information at a glance.		5 Inch touchscreen with built-in WiFi connectivity and IPx7 water ingress protection. Comes with super bright widescreen display and the latest capacitive touchscreen technology.	
EasyView 5 77010310		Touch 5 80-911-0124-00		Touch 10 80-911-0100-00
				
				SmartRemote 77010500 (OEM) 77010600 (retail)
				
				CZone/MasterBus compatible color display for local device monitoring. Shows key parameters and allows simple device settings.
				
				Mastervolt-CZone drop cable 0.5 m: 77060050 1 m: 77060100 (delivered as standard) 2 m: 77060200 5 m: 77060500
				
				Adapter cable for connecting Mastervolt devices with CZone support to the CZone or NMEA 2000 network.