

# Mass Sine Ultra 24/4000



Product code: 26024000

Mastervolt offers a complete range of inverters from 300 watt to 35 kwatt in AC Master, Mass Sine and Mass Sine Ultra models. The AC Master is ideal for small and medium-sized applications, while Mass Sine and the new Mass Sine Ultra inverters are mainly intended for larger systems and for professional purposes. Mastervolt offers inverters for 230V/50Hz as well as 120V/60Hz (American voltage).

### **No humming with HF technology**

Our use of high-frequency switch technology means you can say goodbye to humming transformers and hello to efficiency. Mastervolt inverters are also small and lightweight to ensure easy installation.

### **High peak power during start up**

The Mastervolt sine wave inverter can provide up to 200% surge capacity to equipment that requires extra power during start up.

### **Efficient use of batteries**

A high efficiency when inverting and an automatic economy mode when there is no consumption gives you longer use of your batteries.

### **Simple and safe to connect**

The inverters feature robust connection technology, internal in the larger models and a plug & play socket with cable for the smaller models.

### **MasterBus compatible**

Every Mass Sine inverter can be easily connected to a MasterBus network with only one cable and one connection. You can also choose central, local or remote monitoring, configuration and control of your system.

### **New Mass Sine Ultra**

Our new Mass Sine Ultra models extend the Mass Sine range. The latest V6 technology increases the efficiency and enables multiple units to work in parallel and 3-phase configuration.

# Specifications

## General specifications

3-Phase configuration	yes
Output voltage ( $\pm 5\%$ )	230 V - 50 Hz ( $\pm 0.01$ Hz)
Output waveform	true sine
Nom. battery voltage	24 V
P30 power at 40 °C, cos phi 1	4000 W
Cont. power at 40 °C, cos phi 1	3500 W
Peak load	7000 W
AC connection	internal
Efficiency	91 %
Parallel configuration	yes, up to 10 units
Display/read-out	LED display
Min. battery capacity	> 350 Ah
Dimensions, hwxwd	472 x 318 x 175 mm 18.6 x 12.5 x 6.9 inch
Weight	15 kg 33.1 lb
Approvals	CE, ABYC

## Technical specifications

Technology	V6 HF switch mode
Low battery voltage, switches off at	22 V, $\pm 0.5$ V
Low battery voltage, switches on at	32 V, $\pm 0.5$ V
High battery voltage, switches off at	32 V, $\pm 0.5$ V
High battery voltage, switches on at	31 V, $\pm 0.5$ V
Max. ripple on DC (battery)	< 10%
Input current (nominal load)	152 A
No-load power consumption (ON mode)	250 mA - 6 W
No-load power consumption (standby mode)	25 mA - 0.6 W
Min. DC fuse (slow blow)	250 A
Min. cable size	70 mm <sup>2</sup>
Harmonic distortion typical	< 5%
Cos phi	all power factors allowed
Transfer system	Masterswitch/Systemswitch can be connected to all sine wave inverters
Temperature range (ambient temp.)	-25 °C to 80 °C, derating > 40 °C -13 to 176 °F
Cooling	natural/forced
Sound level	48 dBA at 1 mtr
Protection degree	IP23

Protections

over temperature, over load, short circuit, high battery, low battery

MasterBus compatible

yes