

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

Output voltage	230 V ($\pm 2\%$) - 50/60 Hz adjustable ($\pm 0.005\%$)
Output waveform	true sine
Nom. battery voltage	24 V
Cont. power at 40 °C, cos phi 1	4000 W
Peak load	7000 W
AC connection	internal
Efficiency	$\geq 92\%$
Parallel configuration	yes, up to 10 units
3-Phase configuration	yes, up to 3x3
Display/read-out	LED display
Min. battery capacity	> 350 Ah
Dimensions, hwxwd	472 x 318 x 178 mm 18.6 x 12.5 x 7.0 inch
Weight	15 kg 33.1 lb
Approvals	CE, ABYC

Technical specifications

Technology	V6 HF switch mode
Low battery voltage, switches off at	19-22 V, dynamic window V
Low battery voltage, switches on at	24 V, ± 0.5 V
High battery voltage, switches off at	32 V, ± 0.5 V
High battery voltage, switches on at	29 V, ± 0.5 V
Max. ripple on DC (battery)	5% RMS
Input current (nominal load)	200 A
No-load power consumption (ON mode)	660 mA - 16 W
No-load power consumption (energy saving mode)	300 mA - 7 W
Min. DC fuse (slow blow)	250 A
Min. cable size	70 mm ²
Harmonic distortion typical	< 1%
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 60 °C, derating > 40 °C -13 to 140 °F
Cooling	natural/forced
Protection degree	IP23
Safety protections	over temperature, over load, short circuit, high battery, low battery

MasterBus compatible

yes