



MASS SINE SINE WAVE INVERTERS

MASS SINE SINE WAVE INVERTERS

Suitable for larger systems on superyachts and for (semi)-professional purposes.

An on-board AC installation allows you to use any domestic appliance, from microwave oven to hairdryer, from DVD player to power tools.

A Mastervolt inverter allows you to easily transform the voltage of your 12 or 24V battery to 230V/50Hz so you enjoy all the comforts of home wherever you choose to cruise.

They have proven themselves in the most extreme conditions for over 20 years and continue to evolve.



Part No.	M24010800	M24011200	M24012000
GENERAL SPECIFICATIONS			
Model:	12/800	12/1200	12/2000
Nominal Battery Voltage:	12V	12V	12V
Recommended Battery Capacity:	> 100Ah	> 150Ah	> 200Ah
Output Voltage (±5%):	230V - 50Hz (±0.01Hz)	230V - 50Hz (±0.01Hz)	230V - 50Hz (±0.01Hz)
P30 power at 40°C, cos phi 1:	800W	1200W	2000W
Continuous power at 40°C, cos phi 1:	650W	1000W	1800W
Peak Load:	1600W	2400W	4000W
Output Waveform:	True Sine	True Sine	True Sine
AC Connection:	Internal	Internal	Internal
Efficiency:	92%	92%	92%
Display/read-out:	LED Display	LED Display	LED Display
Parallel Configuration:	No	No	No
3-Phase Configuration:	No	No	No
Dimensions (H x W x D in mm):	325 x 220 x 111	340 x 261 x 130	420 x 318 x 130
Dimensions (H x W x D in inch):	12.8 x 8.7 x 4.4	13.4 x 10.3 x 5.1	16.5 x 12.5 x 5.1
Weight:	3.9kg (8.6lbs)	8kg (17.4lbs)	14.6kg (32.2lbs)
Approvals:	CE, E-mark, ABYC A-31	CE, E-mark, ABYC A-31	CE, E-mark, ABYC A-31
TECHNICAL SPECIFICATIONS			
Technology:	HF switch mode	HF switch mode	HF switch mode
Low Battery Voltage, switches off at:	10V, ± 0.5V	10V, ± 0.5V	10V, ± 0.5V
Low Battery Voltage, switches on at:	11V, ± 0.5V	11V, ± 0.5V	11V, ± 0.5V
High Battery Voltage, switches off at:	15.5V, ± 0.5V	15.5V, ± 0.5V	15.5V, ± 0.5V
High Battery Voltage, switches on at:	14.5V, ± 0.5V	14.5V, ± 0.5V	14.5V, ± 0.5V
Max ripple on DC (battery):	5% RMS	5% RMS	5% RMS
Input Current (Nominal Load):	73A	110A	183A
No Load Power Consumption:			
'On' mode (230V)	470mA - 5.6W	450mA - 5W	480mA - 6W
Standby (scan mode)	65mA - 0.8W	43mA - 0.5W	50mA - 0.6W
Minimal DC Fuse (slow blow)*:	100A	150A	250A
Minimal Cable Size:	25mm ²	50mm ²	70mm ²
Harmonic Distortion Typical:	< 5%	< 5%	< 5%
Cos Phi:	----- All power factors allowed -----		
Temperature Range (ambient temp.):	----- -25°C to 80°C, derating > 40°C -----		
Cooling:	Natural/forced	Natural/forced	Natural/forced
Sound Level:	48 dBA at 1m	48 dBA at 1m	48 dBA at 1m
Protection Degree:	IP23	IP23	IP23
Protections:	----- Over temperature, over load, short circuit, high battery, low battery -----		
MasterBus Compatible:	----- Yes, using a MasterBus inverter interface or AC power analyser -----		

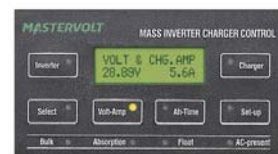
* DC Fuse depends on the cable size

CONTROL PANELS / ACCESSORIES

The following are optional for all Mass Sine Sine Wave Inverters on these pages, except the new Mass Sine Ultra.



Model C4-RI Part No. M70404110
Remote control on/off for the Mass Sine sine wave inverter



Masterlink MICC Part No. M70403105
Battery consumer meter for two batteries 12/24V DC with LCD readout. Remote control for Mass inverters, chargers & combis.

See pages 29 - 30 for further information on Operating, Monitoring & Control Panels and pages 31 - 35 for MasterBus system