

Worry-free Power for Sensitive Loads



MODEL NUMBERS

- MMS1012
- MMS1012-G
- MMS1012-I
(New model, inverter only)

AVAILABLE ACCESSORIES

- DC Load Disconnect
- Fuse Blocks
- Ignition Switch On/Off
- MagWeb
- Remote - ME-ARC
- Remote - ME-RC
- Remote - MM-RC

The Powerful Difference



The MMS Series Inverter and Inverter/Charger Delivers Pure Sine Wave Power for Worry-free Operation of Sensitive Loads in RVs

LCD TVs, residential refrigerators, and satellite dishes in RVs require pure sine wave power to run without damaging the sensitive electronics. The MMS Series Inverter and Inverter/Charger from Magnum Energy provides pure sine wave power in an easy-to-install, easy-to-use, cost effective package.

- Versatile mounting: shelf, bulkhead, or even upside down
- Fan cooled allowing the MMS to work well in confined spaces
- Current overload protection to automatically shut down if its output wattage is exceeded or it detects a short
- Convenient switches and LED monitoring
- ETL Listed to UL/cUL 458 and CSA 22.2 #107.1-01 for mobile use
- Backed by a two-year parts and labor warranty



MMS Series Specifications

	MMS1012	MMS1012-G	MMS1012-I
Inverter Specifications			
Input battery voltage	9 to 17 VDC	9 to 17 VDC	9 to 17 VDC
Nominal AC output voltage	120 VAC ± 5%	120 VAC ± 5%	120 VAC ± 5%
Output frequency and accuracy	60 Hz ± 0.1 Hz	60 Hz ± 0.1 Hz	60 Hz ± 0.1 Hz
Total Harmonic Distortion (THD)	< 5%	< 5%	< 5%
1 msec surge current (amps AC)	38	38	38
100 msec surge current (amps AC)	21	21	21
5 sec surge power (real watts)	1750	1750	1750
30 sec surge power (real watts)	1600	1600	1600
5 min surge power (real watts)	1200	1200	1200
30 min surge power (real watts)	1050	1050	1050
Continuous power output at 25° C	1000 VA	1000 VA	1000 VA
Maximum continuous input current	133 ADC	133 ADC	133 ADC
Inverter efficiency (peak)	87%	87%	87%
Transfer time	16 msec	16 msec	16 msec
Search mode (typical)	5 watts	5 watts	5 watts
No load (120 VAC output, typical)	19 watts	19 watts	19 watts
Waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave

Charger Specifications			
Continuous output at 25° C	50 ADC	50 ADC	NA
Charger efficiency	84%	84%	NA
Power factor	> 0.95	> 0.95	NA
Input current at rated output (AC amps)	7	7	

General Features and Capabilities			
Transfer relay capability	20 AAC (input current for charging and pass through)		
Battery temperature compensation	Yes, 15 ft Battery Temp Sensor standard		
Internal cooling	0 to 59 cfm variable speed		
Overcurrent protection	Yes, with two overlapping circuits		
Overtemperature protection	Yes, on transformer and MOSFETS		
On/Off with status indicator	Yes, front mounted and easily accessible		
Low battery cutout	10 VDC, adjustable with the ME-RC remote		
AC output	Hardwire	GFCI outlet	Hardwire
AC input	Hardwire	3 ft cord	Hardwire
Output circuit breaker	15 A switchable	NA	15 A switchable
Input circuit breaker	20 AAC	20 AAC	20 AAC
Listings	ETL Listed to UL/cUL458, CSA C22.2 #107.1-01, meets KKK-A-1822E standard		
Warranty	Two years		

Environmental Specifications	
Operating temperature	-20° C to +60° C (-4° F to 140° F)
Nonoperating temperature	-40° C to +70° C (-40° F to 158° F)
Operating humidity	0 to 95% RH non condensing

Physical Specifications	
Dimensions (l x w x h)	16.6" x 8.4" x 4.7" (42 cm x 21 cm x 12 cm)
Mounting	Shelf (top or bottom up) or bulkhead (vents up)
Weight	23 lb (10.4 kg)
Shipping weight	25 lb (11.3 kg)
Max operating altitude	15,000' (4570 m)
Construction	ABS plastic top and cast aluminum bottom

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Testing for specifications at 25° C
 Specifications subject to change without notice.

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Authorized Magnum Dealer

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