





Model Numbers

- MS2000
- MS2000-15B
- MS2000-20B
- MS2012
- MS2012-15B
- MS2012-20B
- MS2024
- MS2812
- MS4024 (series stackable)

Available For

- Backup Systems
- Marine Systems
- Off-Grid Systems
- RV Systems
- Trucks

Available Accessories

- AGS
- Battery Monitor Kit
- Conduit Box
- DC Load Disconnect
- Remote Switch Adapter
- Fuse Blocks
- MagWeb
- Remote ME-ARC
- Remote ME-RC
 Smort Bottomy Combined
- Smart Battery Combiner

New features available using the ME-ARC (with v5.4 or higher firmware).

MS SERIES INVERTER/CHARGER Pure Sine Wave Designed for Demanding Applications

The Magnum-Dimension MS Series Inverter/Charger from Sensata Technolgies – a pure sine wave inverter designed specifically for the most demanding mobile, backup, and off-grid applications. The MS Series Inverter/Charger is powerful, easy-to-use, and best of all, cost effective.

Power Factor Corrected (PFC) Charger: Our PFC charger is built into all of our inverter/chargers. It uses less energy from a generator than a standard charger – using 25-30% less AC current than standard chargers.

Safe and reliable: The MS2000, MS2012, MS2812, and MS4024 are ETL Listed to the stringent requirements of UL/cUL 458 for mobile use and the MS2012, MS2812, and MS4024 are ETL Listed UL 1741 and CSA C22.2 #107.1-01 for renewable energy installations. All models also meet KKK-A-1822E standards for emergency vehicle use.

Easy-to-install: Install the MS Series in four easy steps: simply connect the inverter's output to your distribution circuits or electrical panel, connect your utility power cable to the inverter's easy-to-reach terminal block, connect the batteries, and switch on the power.

FEATURES

Pure Sine Wave

Power your TVs, stereos, plasma screens, and other sensitive electronics without worry. The pure sine wave inverter and power factor corrected charger provide clean, reliable inverter power with low total harmonic distortion (THD) of less than 5%.

Accessible Design

The extra large AC access cover with terminal screw block and 360° DC connection terminals with covers make this inverter more accessible when it needs to be.

Choices

The MS Series comes in 12 and 24 volt configurations, allowing you to choose the model that is right for you.

Versatile Mounting

Mount the MS Inverter/Charger on a shelf, bulkhead, or even upside down.

Lightweight

The lightweight aluminum base and cover also provides noise reduction and corrosion resistance.

Multiple Ports

The MS Series provides multiple ports, including an RS485 communication port for network expansion, and a remote port.

Convenient Switches

The MS Series comes with an on/off inverter-mounted switch with an easy-to-read LED indicator.

Expanded Transfer Relay

60 Amp transfer service is available on all models except MS2000, which is 30 Amp only.

Buy with Ease

The MS Inverter/Charger is backed by a three-year (36-month) limited warranty.

MS SERIES INVERTER/CHARGER SPECIFICATIONS

MS2812 9 - 16.8 VDC 120 VAC ± 5% 50 Hz ± 0.1 Hz < 5% 70 40 3900 3800	MS2024 18 - 33.6 VDC 120 VAC ± 5% 60 Hz ± 0.1 Hz < 5% 75 37 2850 2750 2700 2200 133 ADC 86% 16 msecs < 8 watts 25 watts Pure Sine Wave 60 ADC 85% > .95 7.9 AAC	MS4024 9 - 33.6 VDC 120 VAC ± 5% 60 Hz ± 0.1 Hz < 5% 120 82 5800 5400 4900 4500 267 ADC 93.7% 16 msecs 267 ADC 93.7% 16 msecs <8 watts 25 watts 25 watts 25 watts 25 watts 25 watts 25 watts 25 watts 25 watts	MS4048 MS4048-20B 36 - 67.6 VDC 120 VAC ± 5% 60 Hz ± 0.1 Hz < 5% 120 72 8500 5750 5250 47500 133 ADC 94% 16 msecs <8 watts 25 watts Pure Sine Wave 60 ADC 85% > .95
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			> 95
8 AAC	7.9 AAC	29 AAC	/.00
			30 AAC
ut (30AC total on	n MS2000 models, 60/	ACC total on all other m	odels)*
qualize (requires	s remote), and Batter	y Saver™	
le temp sensor c	connected (battery te	emp 0-50° C)	
peed drive using	ig dual 92mm brushle	ss DC fans	
oing circuits			
OSFETS, and bat	attery		
coated, powder (coated chassis/top,	and stainless steel fast	eners
00 (15 or 20 amp l	breakers) or MS201	2 (15 or 20 amp breakers	s)
8, UL 1741, CSA C	C22.2 #107.1-01, meets	s KKK-A-1822E standard*	÷*
labor			
to 140° F) to -40°	° C to +70° C (-40° F t	to 158° F)	
lensing			
34.9 cm x 32.1 cm	m x 20.3 cm) [Height	on MS2000: 7.0"/17.8 cn	n]
ot allowed to face	e downward unless	ME-CB or MMP/MP is i	installed
	41 lb (18.6 kg)	55 lb (24.9 kg)	55 lb (24.9 kg)
55 lb (24.9 kg)	49 lb (22.2 kg)	62 lb (28.1 kg)	62 lb (28.1 kg)
55 lb (24.9 kg) 62 lb (28.1 kg)			
34 ot a	.9 cm x 32.1 c allowed to fac Ib (24.9 kg)	.9 cm x 32.1 cm x 20.3 cm) [Height allowed to face downward unless Ib (24.9 kg) 41 lb (18.6 kg)	.9 cm x 32.1 cm x 20.3 cm) [Height on MS2000: 7.0″/17.8 cn allowed to face downward unless ME-CB or MMP/MP is i Ib (24.9 kg) 41 lb (18.6 kg) 55 lb (24.9 kg)

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**MS2000: ETL Listed to UL/cUL 458, CSA C22.2 #107.1-01,

meets KKK-A-1822E standard

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

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Technologies