



# M-Series

Mobile/Marine True Sinewave Inverter/Charger

## Sealed FX

- True Sinewave Output
- Weather-resistant Sealed Chassis
- Intelligent Battery Charging
- Modular, Stackable Design
- Remote Temperature Sensor
- High Operating Efficiency
- Corrosion Resistant Internal Components
- Field Serviceable
- Neutral/Ground Switching
- Integrated Network Communications
- Standard 5-Year Warranty
- UL458 Certified

## Vented VFX

- True Sinewave Output
- Bug Proof Chassis
- Intelligent Battery Charging
- Modular, Stackable Design
- Remote Temperature Sensor
- High Operating Efficiency
- Corrosion Resistant Internal Components
- Field Serviceable
- Neutral/Ground Switching
- Integrated Network Communications
- Standard 5-Year Warranty
- UL458 Certified



Vented VFX

Sealed FX



OutBack Power's M-Series inverter/chargers provide true sinewave power output, and intelligent battery charging. The M-Series inverter/chargers are modularly expandable to your power needs. A DC to AC inverter, battery charger, AC transfer switch, and 30 Amp pass through and neutral/ground switching provides a complete power conversion solution.

All OutBack Power inverter/chargers produce virtually distortion free sinewave AC power for onboard electronics, such as sensitive home theater equipment and microwaves with minimal RF interference. Industry leading surge power starts heavy loads such as air conditioners or pumps.

Power factor corrected battery charging gets the most out of your shore cord and generator while maximizing the life and performance of your batteries. An ultra fast AC transfer switch with neutral/ground switching seamlessly transfers shore power without dropping loads. Modular expandability through networked communications allows your inverter system to grow with your power consumption needs.

The OutBack Power M-Series inverter/charger is the superior choice when you need a reliable, powerful and modular true sinewave inverter/charger.

**OutBack**  
**POWER™**  
member of The  Group™

[www.outbackpower.com](http://www.outbackpower.com)

## M-Series Specifications

Sealed Models						Vented Models					
	FX2012MT	FX2524MT	FX2532MT	FX2536MT	FX3048MT	VFX2812M	VFX3524M	VFX33232M	VFX3236M	VFX3648M	
<b>Nominal DC Input Voltage</b>	12 VDC	24 VDC	32 VDC	36 VDC	48 VDC	12 VDC	24 VDC	32 VDC	36 VDC	48 VDC	
<b>Continuous Power Rating at 25°C (77°F)</b>	2000 VA	2500 VA	2500 VA	2500 VA	3000 VA	2800 VA	3500 VA	3200 VA	3200 VA	3600 VA	
<b>AC Voltage/Frequency</b>	120 VAC/ 60 Hz	120 VAC/ 60 Hz	120 VAC/ 60 Hz	120 VAC/ 60 Hz	120 VAC/ 60 Hz	120 VAC/ 60 Hz	120 VAC/ 60 Hz	120 VAC/ 60 Hz	120 VAC/ 60 Hz	120 VAC/ 60 Hz	
<b>Continuous AC RMS Output at 25°C (77°F)</b>	17 Amps AC	20.8 Amps AC	20.8 Amps AC	20.8 Amps AC	25 Amps AC	23.3 Amps AC	29.2 Amps AC	26.6 Amps AC	26.6 Amps AC	30 Amps AC	
<b>Idle Power</b>	<b>Full</b>	~ 20 Watts	~ 20 Watts	~ 21 Watts	~ 21 Watts	~ 23 Watts	~ 20 Watts	~ 20 Watts	~ 21 Watts	~ 21 Watts	
	<b>Search</b>	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts	
<b>Typical Efficiency</b>	90%	92%	92%	92%	93%	90%	92%	92%	92%	93%	
<b>Total Harmonic Distortion</b>	<b>Typical</b>	2%	2%	2%	2%	2%	2%	2%	2%	2%	
	<b>Max.</b>	5%	5%	5%	5%	5%	5%	5%	5%	5%	
<b>Output Voltage Regulation</b>	±2%	±2%	±2%	±2%	±2%	±2%	±2%	±2%	±2%	±2%	
<b>Maximum Output Current</b>	<b>Peak</b>	56 Amps AC	70 Amps AC	56 Amps AC	56 Amps AC	70 Amps AC	56 Amps AC	70 Amps AC	56 Amps AC	70 Amps AC	
	<b>RMS</b>	40 Amps AC	50 Amps AC	40 Amps AC	40 Amps AC	50 Amps AC	40 Amps AC	50 Amps AC	40 Amps AC	50 Amps AC	
<b>AC Overload Capability</b>	<b>Surge</b>	4800 VA	6000 VA	4800 VA	4800 VA	6000 VA	4800 VA	6000 VA	4800 VA	6000 VA	
	<b>5 Sec</b>	4000 VA	4800 VA	4000 VA	4000 VA	4800 VA	4000 VA	5000 VA	4000 VA	5000 VA	
	<b>30 Min</b>	2500 VA	3200 VA	2500 VA	2500 VA	3200 VA	3200 VA	4000 VA	4000 VA	4000 VA	
<b>AC Input Current Maximum</b>	30 Amps AC	30 Amps AC	30 Amps AC	30 Amps AC	30 Amps AC	30 Amps AC	30 Amps AC	30 Amps AC	30 Amps AC	30 Amps AC	
<b>AC Input Voltage Range (MATE Adjustable)</b>	80 to 150VAC	80 to 150VAC	80 to 150VAC	80 to 150VAC	80 to 150VAC	80 to 150VAC	80 to 150VAC	80 to 150VAC	80 to 150VAC	80 to 150VAC	
<b>AC Input Frequency Range</b>	54 to 66 Hz	54 to 66 Hz	54 to 66 Hz	54 to 66 Hz	54 to 66 Hz	54 to 66 Hz	54 to 66 Hz	54 to 66 Hz	54 to 66 Hz	54 to 66 Hz	
<b>Neutral-Ground Bond Switched</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
<b>Continuous Battery Charger Output</b>	80 Amps DC	55 Amps DC	35 Amps DC	35 Amps DC	35 Amps DC	125 Amps DC	82 Amps DC	45 Amps DC	45 Amps DC	45 Amps DC	
<b>DC Input Voltage Range</b>	10.5 to 17VDC	21 to 34 VDC	28 to 45.3VDC	31.5 to 51VDC	42 to 68 VDC	10.5 to 17VDC	21 to 34VDC	28 to 45.3VDC	31.5 to 51VDC	42 to 68VDC	
<b>Temperature Range</b>	<b>Rated</b>	0 to 50°C (power derated above 25°C)					0 to 50°C (power derated above 25°C)				
	<b>Max.</b>	-25 to 60°C (Functions, but does not necessarily meet all component specifications)					-25 to 60°C (Functions, but does not necessarily meet all component specifications)				
<b>Certifications</b>	ETL Listed to UL485					ETL Listed to UL485					
<b>Warranty</b>	Standard 5 year					Standard 5 year					
<b>Weight</b>	<b>Unit</b>	62 lbs (29 kg)					61 lbs (28 kg)				
	<b>Shipping</b>	67 lbs (31 kg)					67 lbs (31 kg)				
<b>Dimensions (H x W x L)</b>	<b>Unit</b>	13 x 8.25 x 16.25" (33 x 21 x 41 cm)					13 x 8.25 x 16.25" (30 x 21 x 41 cm)				
	<b>Shipping</b>	21.75 x 13 x 22" (55 x 33 x 56 cm)					21.75 x 13 x 22" (55 x 33 x 56 cm)				

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