



# M-Series International

Mobile/Marine True Sinewave Inverter/Charger

## Sealed FX

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

## Vented VFX

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



Vented VFX

Sealed FX



OutBack Power's M-Series inverter/chargers provide true sinewave power output and intelligent battery charging. They are modularly expandable to your power needs providing a complete power conversion solution. They incorporate a DC to AC inverter, battery charger, and an AC transfer switch, which combines 30 amp pass-through and neutral/ground switching.

All OutBack inverter/chargers produce nearly distortion free sinewave AC power for onboard electronics like sensitive home theater equipment and microwaves with minimal RF interference. Industry leading surge power starts heavy loads like air conditioning.

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

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

**OutBack**  
**POWER**<sup>™</sup>  
member of The  Group<sup>™</sup>

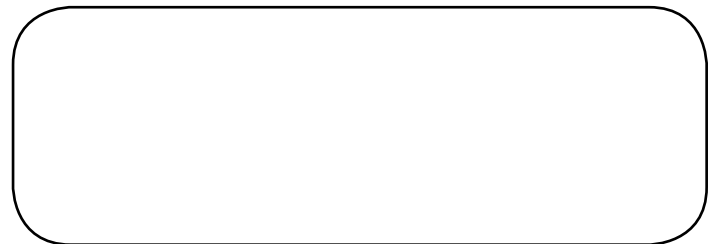
[www.outbackpower.com](http://www.outbackpower.com)

# M-Series International Specifications

		Sealed Models			Vented Models		
		FX2012EMT	FX2024EMT	FX2348EMT	VFX2612EM	VFX3024EM	VFX3048EM
<b>Nominal DC Input Voltage</b>		12 Vdc	24 Vdc	48 Vdc	12 Vdc	24 Vdc	48 Vdc
<b>Continuous Power Rating at 25°C (77°F)</b>		2000 VA	2000 VA	2300 VA	2600 VA	3000 VA	3000 VA
<b>AC Voltage/Frequency</b>		230 Vac / 50 Hz	230 Vac / 50 Hz	230 Vac / 50 Hz	230 Vac / 50 Hz	230 Vac / 50 Hz	230 Vac / 50 Hz
<b>Continuous AC RMS Output at 25°C (77°F)</b>		8.7 Aac	8.7 Aac	10.0 Aac	11.3 Aac	13.0 Aac	13.0 Aac
<b>Idle Power</b>	<b>Full</b>	~ 20 Watts	~ 20 Watts	~ 23 Watts	~ 20 Watts	~ 20 Watts	~ 23 Watts
	<b>Search</b>	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts
<b>Typical Efficiency</b>		90%	92%	93%	90%	92%	93%
<b>Total Harmonic Distortion</b>	<b>Typical</b>	2%	2%	2%	2%	2%	2%
	<b>Maximum</b>	5%	5%	5%	5%	5%	5%
<b>Output Voltage Regulation</b>		± 2%	± 2%	± 2%	± 2%	± 2%	± 2%
<b>Maximum Output Current</b>	<b>Peak</b>	28 Aac	35 Aac	35 Aac	28 Aac	35 Aac	35 Aac
	<b>RMS</b>	20 Aac	25 Aac	25 Aac	20 Aac	25 Aac	25 Aac
<b>AC Overload Capability</b>	<b>Surge</b>	4600 VA	5750 VA	5750 VA	4600 VA	5750 VA	5750 VA
	<b>5 Seconds</b>	4000 VA	4800 VA	4800 VA	4000 VA	4800 VA	4800 VA
	<b>30 Minutes</b>	2500 VA	3100 VA	3100 VA	3100 VA	3300 VA	3300 VA
<b>AC Input Current Maximum</b>		30 Aac	30 Aac	30 Aac	30 Aac	30 Aac	30 Aac
<b>AC Input Voltage Range (MATE Adjustable)</b>		160 to 300 Vac	160 to 300 Vac	160 to 300 Vac	160 to 300 Vac	160 to 300 Vac	160 to 300 Vac
<b>AC Input Frequency Range</b>		44 to 56 Hz	44 to 56 Hz	44 to 56 Hz	44 to 56 Hz	44 to 56 Hz	44 to 56 Hz
<b>DC Input Voltage Range</b>		10.5 to 17.0 Vdc	21.0 to 34.0 Vdc	42.0 to 68.0 Vdc	10.5 to 17.0 Vdc	21.0 to 34.0 Vdc	42.0 to 68.0 Vdc
<b>Operating Temperature Range</b>		-40 to 60°C (power derated above 25°C)			-40 to 60°C (power derated above 25°C)		
<b>Continuous Battery Charger Output</b>		100 Adc	55 Adc	35 Adc	120 Adc	85 Adc	45 Adc
<b>Warranty</b>		Standard 5 year Warranty			Standard 5 year Warranty		
<b>Weight (lbs/kg)</b>	<b>Unit</b>	62.2 / 28.4			61 / 27.7		
	<b>Shipping</b>	67 / 31			67 / 31		
<b>Dimensions H x W x L (in/cm)</b>	<b>Unit</b>	13 x 8.25 x 16.25 / 33 x 21 x 41			12 x 8.25 x 16.25 / 30 x 21 x 41		
	<b>Shipping</b>	21.75 x 13 x 22 / 55 x 33 x 56			21.75 x 13 x 22 / 55 x 33 x 56		

Specifications subject to change without notice

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