



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

M-Series Specifications

Sealed Models						Vented Models				
	FX2012MT	FX2524MT	FX2532MT	FX2536MT	FX3048MT	VFX2812M	VFX3524M	VFX33232M	VFX3236M	VFX3648M
Nominal DC Input Voltage	12 VDC	24 VDC	32 VDC	36 VDC	48 VDC	12 VDC	24 VDC	32 VDC	36 VDC	48 VDC
Continuous Power Rating at 25°C (77°F)	2000 VA	2500 VA	2500 VA	2500 VA	3000 VA	2800 VA	3500 VA	3200 VA	3200 VA	3600 VA
AC Voltage/Frequency	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
Continuous AC RMS Output at 25°C (77°F)	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
Idle Power	Full	~ 20 Watts	~ 20 Watts	~ 21 Watts	~ 21 Watts	~ 23 Watts	~ 20 Watts	~ 20 Watts	~ 21 Watts	~ 21 Watts
	Search	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts
Typical Efficiency	90%	92%	92%	92%	93%	90%	92%	92%	92%	93%
Total Harmonic Distortion	Typical	2%	2%	2%	2%	2%	2%	2%	2%	2%
	Max.	5%	5%	5%	5%	5%	5%	5%	5%	5%
Output Voltage Regulation	±2%	±2%	±2%	±2%	±2%	±2%	±2%	±2%	±2%	±2%
Maximum Output Current	Peak	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
	RMS	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
AC Overload Capability	Surge	4800 VA	6000 VA	4800 VA	4800 VA	6000 VA	4800 VA	6000 VA	4800 VA	6000 VA
	5 Sec	4000 VA	4800 VA	4000 VA	4000 VA	4800 VA	4000 VA	5000 VA	4000 VA	5000 VA
	30 Min	2500 VA	3200 VA	2500 VA	2500 VA	3200 VA	3200 VA	4000 VA	4000 VA	4000 VA
AC Input Current Maximum	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
AC Input Voltage Range (MATE Adjustable)	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
AC Input Frequency Range	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
Neutral-Ground Bond Switched	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Continuous Battery Charger Output	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
DC Input Voltage Range	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
Temperature Range	Rated	0 to 50°C (power derated above 25°C)				0 to 50°C (power derated above 25°C)				
	Max.	-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)				
Certifications	ETL Listed to UL485					ETL Listed to UL485				
Warranty	Standard 5 year					Standard 5 year				
Weight	Unit	62 lbs (29 kg)				61 lbs (28 kg)				
	Shipping	67 lbs (31 kg)				67 lbs (31 kg)				
Dimensions (H x W x L)	Unit	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)				
	Shipping	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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