

M Series

60Hz/ 120V Mobile/ Marine Inverter/Chargers

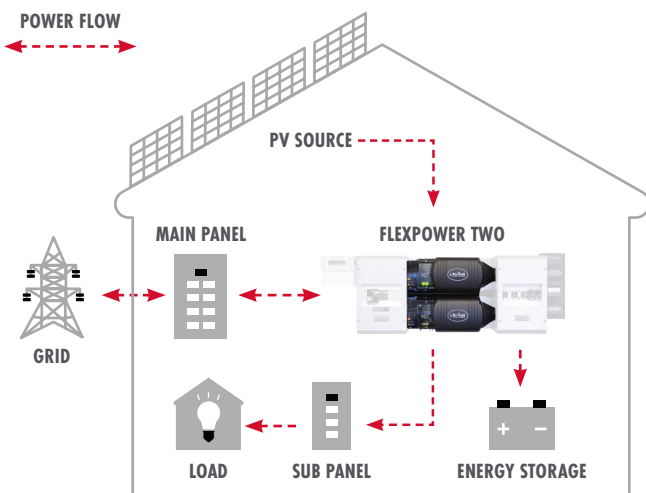


- Modular, stackable design
- Remote temperature sensor
- High operating efficiency
- Corrosion resistant internal components
- Field serviceable
- Neutral/ground switching
- Integrated network communications
- UL458 certified

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 30A 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.



	Sealed Models			Vented Models		
Models:	FX2012MT	FX2524MT	FX3048MT	VFX2812M	VFX3524M	VFX3648M
Nominal DC Input Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
Continuous Power Rating (@ 25 °C)	2000VA	2500VA	3000VA	2800VA	3500VA	3600VA
AC Frequency/Voltage	60Hz / 120VAC	60Hz / 120VAC	60Hz / 120VAC	60Hz / 120VAC	60Hz / 120VAC	60Hz / 120VAC
Continuous AC RMS Output (@25 °C)	17AAC	20.8AAC	25AAC	23.3AAC	29.2AAC	30AAC
Idle Power	Full: ~20W Search: ~6W	Full: ~20W Search: ~6W	Full: ~23W Search: ~6W	Full: ~20W Search: ~6W	Full: ~20W Search: ~6W	Full: ~23W Search: ~6W
Typical Efficiency	90%	92%	93%	90%	92%	93%
Total Harmonic Distortion	Typical: 2% Maximum: 5%	Typical: 2% Maximum: 5%	Typical: 2% Maximum: 5%	Typical: 2% Maximum: 5%	Typical: 2% Maximum: 5%	Typical: 2% Maximum: 5%
Output Voltage Regulation	±2%	±2%	±2%	±2%	±2%	±2%
Maximum Output Current	Peak: 56AAC RMS: 40AAC	Peak: 70AAC RMS: 50AAC	Peak: 70AAC RMS: 50AAC	Peak: 56AAC RMS: 40AAC	Peak: 70AAC RMS: 50AAC	Peak: 70AAC RMS: 50AAC
AC Overload Capacity	Surge: 4800VA 5 Sec: 4000VA 30 Min: 2500VA	Surge: 6000VA 5 Sec: 4800VA 30 Min: 3200VA	Surge: 6000VA 5 Sec: 4800VA 30 Min: 3200V	Surge: 4800VA 5 Sec: 4000VA 30 Min: 3200VA	Surge: 6000VA 5 Sec: 5000VA 30 Min: 4000V	Surge: 6000VA 5 Sec: 5000VA 30 Min: 4000V
AC Input Current Maximum	30AAC	30AAC	30AAC	30AAC	30AAC	30AAC
AC Input Voltage Range (MATE Adjustable)	80 to 150VAC	80 to 150VAC	80 to 150VAC	80 to 150VAC	80 to 150VAC	80 to 150VAC
AC Input Frequency Range	54 to 66Hz	54 to 66Hz	54 to 66Hz	54 to 66Hz	54 to 66Hz	54 to 66Hz
Neutral-Ground Bond Switching	ü	ü	ü	ü	ü	ü
DC Input Voltage Range	10.5 to 17VDC	21 to 34VDC	42 to 68VDC	10.5 to 17VDC	21 to 34VDC	42 to 68VDC
Continuous Battery Charger Output	80ADC	55ADC	35ADC	125ADC	85ADC	45ADC
Temperature Range	Rated: 0 to 50 °C (power derated above 25 °C) Maximum*: —25 to 60 °C			Rated: 0 to 50 °C (power derated above 25 °C) Maximum*: —25 to 60 °C		
Certifications	ETL Listed to UL458			ETL Listed to UL458		
Warranty	Standard 1 year			Standard 1 year		
Weight (lb/kg)	Unit: 62 / 29 Shipping: 67 / 31			Unit: 61 / 28 Shipping: 67 / 31		
Dimensions H × W × L (in/cm)	Unit: 13 × 8.25 × 16.25 / 33 × 21 × 41 Shipping: 21.75 × 13 × 22 / 55 × 33 × 56			Unit: 12 × 8.25 × 16.25 / 30.5 × 21 × 41 Shipping: 21.75 × 13 × 22 / 55 × 33 × 56		

*Functions, but does not necessarily meet all component specifications.