

M Series

60Hz/ 120V Mobile/ Marine Inverter/Chargers

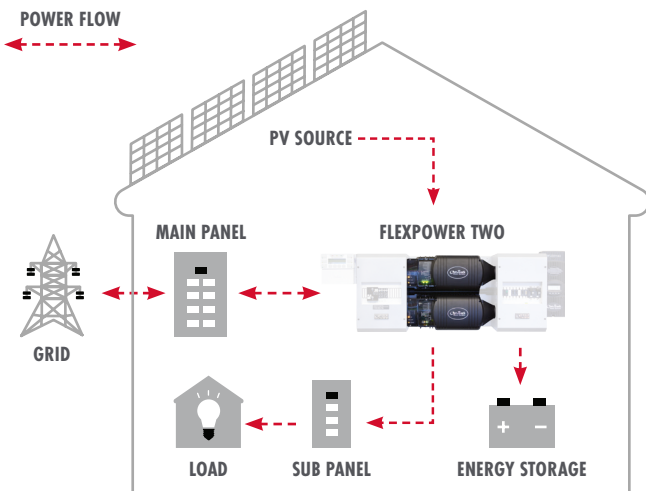


- Modular, stackable design
- Remote temperature sensor
- High operating efficiency
- Corrosion resistant internal components
- Field serviceable
- Neutral/ground switching
- Integrated network communications
- UL458 certified

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.



| Models: | Sealed Models | | | Vented 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.