



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
member of The **Corvus** Group™

M-Series International Specifications

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

Available From:

