



# FX & VFX SERIES

Sealed & Vented 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
- Integrated Network Communications
- Standard 2 Year Warranty

## Vented VFX

- Sinewave Output
- Intelligent Battery Charging
- Modular System Architecture
- High Operating Efficiency
- "Bug Proof" Chassis
- Corrosion Resistant Internal Components
- Field Serviceable
- Integrated Network Communications
- Standard 2 Year Warranty



Vented VFX

Sealed FX



The OutBack Power System's true sinewave inverter/charger is a complete power solution. It incorporates a DC to AC sinewave inverter, battery charger and AC transfer switch housed within a die-cast aluminum chassis. Intelligent multistage battery charging runs your generator less, and prolongs the life of your batteries. Built-in networked communications enables multiple units to be stacked and connected with other OutBack power electronics providing industry leading integration and near infinite application flexibility. The exclusive modular system architecture means that increased power output

is just an additional inverter/charger away. Our flagship FX series uses a sealed chassis that can operate in the harshest environmental conditions such as high humidity and corrosive salt air. The VFX series uses a vented chassis with "bug proof" screened openings that allow high output AC power in the hottest of operating conditions.

OutBack Power Inverter/Chargers are the only choice when you need a true sinewave, powerful, modular and reliable power solution for your home, business or extreme application.



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

## Specifications

|   | Sealed Models                     |                                      |                  | Vented Models                     |                                      |                  |  |
|---|-----------------------------------|--------------------------------------|------------------|-----------------------------------|--------------------------------------|------------------|--|
|   | FX2012T                           | FX2524T                              | FX3048T          | VFX2812                           | VFX3524                              | VFX3648          |  |
| 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                           | 2500 VA                              | 3000 VA          | 2800 VA                           | 3500 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    |  |
| Continuous AC RMS Output at 25° C (77° F) | 17.0 amps AC                      | 20.8 amps AC                         | 25.0 amps AC     | 23.3 amps AC                      | 29.2 amps AC                         | 30.0 amps AC     |  |
| Idle Power                                | Full                              | ~ 20 Watts                           | ~ 20 Watts       | ~ 23 Watts                        | ~ 20 Watts                           | ~ 23 Watts       |  |
|   | Search                            | ~ 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%               |  |
|   | Maximum                           | 5%                                   | 5%               | 5%                                | 5%                                   | 5%               |  |
| Output Voltage Regulation                 | ± 2%                              | ± 2%                                 | ± 2%             | ± 2%                              | ± 2%                                 | ± 2%             |  |
| Maximum Output Current                    | Peak                              | 56 amps AC                           | 70 amps AC       | 70 amps AC                        | 56 amps AC                           | 70 amps AC       |  |
|   | RMS                               | 40 amps AC                           | 50 amps AC       | 50 amps AC                        | 40 amps AC                           | 50 amps AC       |  |
| AC Overload Capability                    | Surge                             | 4800 VA                              | 6000 VA          | 6000 VA                           | 4800 VA                              | 6000 VA          |  |
|   | 5 Second                          | 4000 VA                              | 4800 VA          | 800 VA                            | 4000 VA                              | 5000 VA          |  |
|   | 30 Minutes                        | 2500 VA                              | 3200 VA          | 3200 VA                           | 3200 VA                              | 4000 VA          |  |
| AC Input Current Maximum                  | 60 amps AC                        | 60 amps AC                           | 60 amps AC       | 60 amps AC                        | 60 amps AC                           | 60 amps AC       |  |
| AC Input Voltage Range (MATE Adjustable)  | 80 to 150 VAC                     | 80 to 150 VAC                        | 80 to 150 VAC    | 80 to 150 VAC                     | 80 to 150 VAC                        | 80 to 150 VAC    |  |
| 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      |  |
| DC Input Voltage Range                    | 10.5 to 17.5 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 |  |
| Continuous Battery Charge Output          | 80 amps DC                        | 55 amps DC                           | 35 amps DC       | 125 amps DC                       | 85 amps DC                           | 45 amps DC       |  |
| Warranty                                  | Standard 2 year / Optional 5 year |                                      |                  | Standard 2 year / Optional 5 year |                                      |                  |  |
| Weight                                    | Unit                              | 62.6 lbs (28.4 kg)                   |                  |                                   | 61 lbs (27.7 kg)                     |                  |  |
|   | Shipping                          | 67 lbs (30 kg)                       |                  |                                   | 64 lbs (29 kg)                       |                  |  |
| Dimensions (H x W x L)                    | Unit                              | 13 x 8.25 x 16.25" (33 x 21 x 41 cm) |                  |                                   | 12 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)   |                  |  |
| Certifications                            | ETL Listed to UL1741              |                                      |                  | ETL Listed to UL1741              |                                      |                  |  |

\*Specifications subject to change without notice



**Main Office:**  
 19009 62nd Avenue NE  
 Arlington, WA 98223 USA  
 Phone: (360) 435.6030  
 Fax: (360) 435.6019

**European Office:**  
 Phone: +34.93.654.9568

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

Available From:



A Division of DC Marine Systems, Inc.      [Sales@dcbattery.com](mailto:Sales@dcbattery.com)

160 NW 73<sup>RD</sup> Street • Miami, FL 33150  
 Tel: 305-758-5041 / Fax: 305-758-3469 • [www.dcbattery.com](http://www.dcbattery.com)