

# FX & VFX Series Export

Sealed & Vented True Sinewave Inverter/Charger

**OutBack**  
Power Systems



The OutBack true sinewave inverter/charger is a complete power solution. It incorporates a DC to AC true sinewave inverter, battery charger and AC transfer switch all housed within a die-cast aluminum chassis. “Smart” multistage battery charging means less generator “on” time, and extends the life of your batteries. Outback’s modular system architecture permits flexibility allowing small systems the ability to increase the power output as the demand grows from 2 to 30kW - even in 3-phase configurations. Non-volatile memory retains all programming information even when the inverter isn’t on. Our *FX* series uses a sealed chassis that can operate in the harshest environmental conditions such as high humidity and corrosive salt air - excellent for coastal and marine installations. The *VFX* series uses a vented chassis with “bug proof” screened openings that allow higher AC output power.

OutBack Power inverter/chargers are the best choice when you need a true sinewave, powerful, modular and reliable power solution for your home, business, telecom or mobile application.

## *Sealed FX*

Sinewave Output  
“Smart” Battery Charging  
Modular System Design  
Non-Volatile Memory  
Sealed Aluminum Chassis  
Network Communications  
Light Weight

## *Vented VFX*

Sinewave Output  
“Smart” Battery Charging  
Modular System Design  
Non-Volatile Memory  
High Surge Power  
Network Communications  
Light Weight

## European Specifications

|  |            | Sealed Models                        |                  |                  | Vented Models                        |                  |                  |
|--|------------|--------------------------------------|------------------|------------------|--------------------------------------|------------------|------------------|
|  |            | FX2012ET                             | FX2024ET         | FX2348ET         | VFX2612E                             | VFX3024E         | VFX3048E         |
| Nominal DC Input Voltage                 |            | 12 VDC                               | 24 VDC           | 48 VDC           | 12 VDC                               | 24 VDC           | 48 VDC           |
| Continuous Power Rating at 25° C         |            | 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        |            | 8.7 amps AC                          | 8.7 amps AC      | 10.0 amps AC     | 11.3 amps AC                         | 13.0 amps AC     | 13.0 amps AC     |
| 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 amps AC                           | 35 amps AC       | 35 amps AC       | 28 amps AC                           | 35 amps AC       | 35 amps AC       |
|  | RMS        | 20 amps AC                           | 25 amps AC       | 25 amps AC       | 20 amps AC                           | 25 amps AC       | 25 amps AC       |
| AC Overload Capability                   | Surge      | 4600 VA                              | 5750 VA          | 5750 VA          | 4600 VA                              | 5750 VA          | 5750 VA          |
|  | 5 Second   | 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 amps AC                           | 30 amps AC       | 30 amps AC       | 30 amps AC                           | 30 amps AC       | 30 amps AC       |
| 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 |
| Continuous Battery Charge Output         |            | 100 amps DC                          | 55 amps DC       | 35 amps DC       | 120 amps DC                          | 85 amps DC       | 42 amps DC       |
| Minimum Recommended DC Breaker           |            | OBDC-250                             | OBDC-175         | OBDC-100         | OBDC-250                             | OBDC-250         | OBDC-175         |
| Warranty                                 |            | Standard 2 year / Optional 5 year    |                  |                  | Standard 2 year / Optional 5 year    |                  |                  |
| Weight                                   | Unit       | 62.2 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)   |                  |                  |



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