

# FX & VFX Series

Sealed & Vented True Sinewave Inverter/Charger

**OutBack**  
Power Systems

Sealed FX

Vented VFX



## 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 Limited 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 Limited Warranty

The OutBack 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.

## Off-Grid 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	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	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	~ 20 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	4800 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
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	62.6 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)	

**OutBack**  
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