

OutBack Power Systems, Inc.

MODULAR RUGGEDIZED SINEWAVE INVERTER/CHARGERS

Now Its Your Choice!

Although OutBack has become known for offering the first and only sealed sinewave inverter/charger, we still found some real reasons to consider offering a vented version of the popular FX series as well...

Introducing the VFX series sinewave inverter/chargers



original **FX SERIES**

FX2024	2.0 kWAC	24 VDC	\$1795 USD
FX2548	2.5 kWAC	48 VDC	\$2245 USD

Sealed Construction Features:

- Powdercoated all aluminum die-cast chassis
- Internal electronic components are cooled by heat transfer
- Gaskets on all openings to provide water-resistance
- Sealed design protects internal electronics from salt, dirt or contaminated air, bugs, critters, mold etc.
- Conformal coated circuit boards to resist corrosion
- Designed to allow easy field servicing and repair

Ideal Applications:

- Hot and humid climates where a protected area is not available for installation of the inverter/charger system
- Salt air environments such as Hawaii where you can't get away from the salt air and where there is little difference between indoors and outdoors
- Dirty environments where dust or drifting organic matter such as cottonwood could clog an air opening in an unattended system
- Boats and RV's where water might splash on the inverter
- Greater control of unwanted radio frequency interference



new **VFX SERIES**

VFX2812	2.8 kWAC	12 VDC	\$2345 USD
VFX3524	3.5 kWAC	24 VDC	\$2345 USD
VFX3648	3.6 kWAC	48 VDC	\$2345 USD

Vented Construction Features:

- Powdercoated all aluminum die-cast chassis
- Internal electronic components are cooled by outside air
- Stainless steel screen to protect air intake and internal fan
- UL 94V0 plastic vent grills to protect the air exhaust. All openings are 0.0025 inches square to keep out dirt, bugs, and other critters – we call it "bug proof" construction
- Air inlet comes with removable, washable foam filter insert to trap small particles
- Conformal coated circuit boards to resist corrosion
- Higher output power when inverting or battery charging when compared with the sealed FX inverter versions
- Designed to allow easy field servicing and repair

Ideal Applications:

- Montana or Arizona etc. where salt air is not a problem and climate is dry
- More watts per dollar
- Installations where well protected environments are available

SPECIFICATIONS

	FX 2024	FX 2548	VFX 2812	VFX 3524	VFX 3648
Continuous Power Rating at 25 degrees C	2000VA	2500VA	2800VA	3500VA	3600VA
Nominal DC Input Voltage	24	48	12	24	48
Nominal AC Input Voltage / Frequency	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz
Continuous AC RMS Output current at 25 C	17amps	21amps	23.3 amps	29.2 amps	30 amps
Idle Power (typical at no AC load) (sleep – 3 watts)	18-20 Watts	21-23 Watts	19-21 Watts	18-20 Watts	21-23 Watts
Efficiency (typical at 25 degree C and 75% resistive load)	92%	93%	>90%	>90%	>90%
Total Harmonic distortion voltage (typical / max)	2% / 5%	2% / 5%	2% / 5%	2% / 5%	2% / 5%
Output Voltage Regulation	+/- 2% typ				
Surge Power Capability Peak (1mSec)	70 amps AC				
Surge Power Capability RMS (100mSec)	50 amps AC				
Overload Capability (from 25 C start) 5second	4800VA	4800VA	4800VA	5000VA	5000VA
Overload Capability (from 25 C start) 30 minutes	3200VA	3200VA	3200VA	4000VA	4000VA
Automatic AC transfer Relay (at nominal AC)	60 amps AC				
AC Input Current (adjustable limits)	60 amps max				
AC Input Voltage Range (adjustable limits)	90-140VAC	90-140VAC	90-140VAC	90-140VAC	90-140VAC
Frequency Range – AC Input	54-67.4 Hz				
DC Input Range (adjustable low battery cut-out)	20-33 VDC	40-66 VDC	10-16 VDC	20-33 VDC	40-66 VDC
Recommended DC Breaker	OBDC-175	OBDC-100	OBDC-250	OBDC-250	OBDC-175
Continuous Battery Charger Output amps DC	55	35	125	85	45
Shipping Weight	60 Lbs	60 Lbs	62 Lbs	62 Lbs	62 Lbs

The VFX3524 & VFX3648 inverters are now ETL approved, in stock and ready for shipment.
The VFX2812 inverters will be available in limited supply by August 23, 2003. Please place orders in advance for guaranteed delivery.