

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 sealed **FX SERIES**

FX2012T	2.0 kWAC	12 VDC	\$1995 USD
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 vented **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
- Better screening from bugs than any other vented inverter
- Built and tested to work as an industrial grade product –
Not throw away non-repairable consumer grade offshore toy

Ideal Applications:

- Montana, Arizona, California etc. where salt air is not a problem
- More watts per dollar compared to the original sealed versions
- Installations where protected environments are available

SEALED VERSIONS

VENTED VERSIONS

SPECIFICATIONS

	FX 2012T	FX 2024	FX 2548	VFX 2812	VFX 3524	VFX 3648
Continuous Power Rating at 25 degrees C	2000 VA (std TURBO)	2000 VA	2500 VA	2800 VA	3500 VA	3600 VA
Nominal DC Input Voltage	12 VDC	24 VDC	48 VDC	12 VDC	24 VDC	48 VDC
Nominal AC Input Voltage / Frequency	120V 60 Hz	120V 60 Hz	120V 60 Hz	120V 60 Hz	120V 60 Hz	120V 60 Hz
Continuous AC RMS Output current at 25 C	17amps	17amps	21amps	23.3 amps	29.2 amps	30 amps
Idle Power (typical at no AC load) (sleep – 3 watts)	18-20 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)	90%	92%	93%	>90%	>90%	>90%
Total Harmonic distortion voltage (typical / max)	2% / 5%	2% / 5%	2% / 5%	2% / 5%	2% / 5%	2% / 5%
Output Voltage Regulation	+/- 2% typ.	+/- 2% typ.	+/- 2% typ.	+/- 2% typ.	+/- 2% typ.	+/- 2% typ.
Surge Power Capability Peak (1mSec)	56 amps AC	70 amps AC	70 amps AC	56 amps AC	70 amps AC	70 amps AC
Surge Power Capability RMS (100mSec)	40 amps AC	50 amps AC	50 amps AC	40 amps AC	50 amps AC	50 amps AC
Overload Capability (from 25 C start) 5 second	4000 VA	4800 VA	4800 VA	4000 VA	5000 VA	5000 VA
Overload Capability (from 25 C start) 30 minutes	2500 VA	3200 VA	3200 VA	3200 VA	4000 VA	4000 VA
Automatic AC transfer Relay (at nominal AC)	60 amps AC	60 amps AC	60 amps AC	60 amps AC	60 amps AC	60 amps AC
AC Input Current (adjustable limits)	60 amps AC	60 amps AC	60 amps AC	60 amps AC	60 amps AC	60 amps AC
AC Input Voltage Range (adjustable limits)	90-140VAC	90-140VAC	90-140VAC	90-140VAC	90-140VAC	90-140VAC
Frequency Range – AC Input	54-67.4 Hz	54-67.4 Hz	54-67.4 Hz	54-67.4 Hz	54-67.4 Hz	54-67.4 Hz
DC Input Range (adjustable low battery cut-out)	10-16.5 VDC	20-33 VDC	40-66 VDC	10-16 VDC	20-33 VDC	40-66 VDC
Recommended DC Breaker	OBDC-250	OBDC-175	OBDC-100	OBDC-250	OBDC-250	OBDC-175
Continuous Battery Charger Output amps DC	80 amps DC	55 amps DC	35 amps DC	125 amps DC	85 amps DC	45 amps DC
Shipping Weight	65 lbs	60 Lbs	60 Lbs	62 Lbs	62 Lbs	62 Lbs

All models are available for order and shipment

All models are ETL listed to UL standards for US and CSA standards for Canada