



# GFX INTERNATIONAL SERIES

Sealed True Sinewave Inverter/Charger

## Sealed GFX Series

- Grid-Tie, Back-up or Standalone Power
- Sinewave Output
- Intelligent Battery Charging with Generator Support
- 1.4 kVA Continuous Power Output
- High Surge and Charger Ratings
- 3-Phase 400VAC Capable\*
- Sealed Chassis For Harsh Environments
- Corrosion Resistant Internal Components
- Field Serviceable



**Sealed GFX**

The OutBack true sinewave GFX International Series Inverter/Charger is a competitive power solution designed for applications with lower power demands. Incorporating a DC-to-AC sinewave inverter, battery charger and AC transfer relay housed within a die-cast aluminum chassis, the International Series GFX Inverter/Chargers give you the ability to sell solar, wind or hydro power back to the utility grid while providing instantaneous back-up power in the event of a utility outage.

The GFX International Series is designed for use in countries that have utility grids with nominal AC voltages of 230 VAC / 50Hz. Our built in transfer relay automatically disconnects your loads from the utility grid and powers them from the inverter in the event of an outage, allowing you to continue using your solar and battery back-up power, unlike traditional grid-tie systems. For areas that frequently experience power instability such as surges, spikes or brownouts, or where standard inverters have trouble syncing to the utility grid, the GFX International Series grid reconnect timers have been shortened to reduce overall sell-back downtime and improve system functionality.

\*Utilizing one inverter/charger per phase

Intelligent multi-stage battery charging prolongs the life of your batteries and built-in networked communications allow for simultaneous communications of up to ten OutBack Power components within the system. The exclusive modular system architecture means that increased power output is just an additional inverter/charger away. Our GFX International Series uses a sealed chassis that can operate in the harshest environmental conditions such as high humidity and corrosive salt air.

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.

**OutBack**  
**POWER™**  
member of The  Group™  
[www.outbackpower.com](http://www.outbackpower.com)

## Specifications

### Sealed Models

		GFX1312E	GFX1424E	GFX1448E
Nominal DC Input Voltage		12 VDC	24 VDC	48 VDC
Continuous Power Rating at 25° C (77° F)		1300 VA	1400 VA	1400 VA
AC Voltage/Frequency		230 VAC 50 Hz	230 VAC 50 Hz	230 VAC 50 Hz
Continuous AC RMS Output at 25° C (77° F)		5.65 amps AC	6.09 amps AC	6.09 amps AC
Idle Power	Full	~ 18 Watts	~ 18 Watts	~ 18 Watts
	Search	~ 6 Watts	~ 6 Watts	~ 6 Watts
Typical Efficiency		90%	92%	93%
Total Harmonic Distortion	Typical	2%	2%	2%
	Maximum	5%	5%	5%
Output Voltage Regulation		± 2%	± 2%	± 2%
Maximum Output Current	Peak (1 ms)	28 amps AC	28 amps AC	28 amps AC
	RMS (100 ms)	20 amps AC	20 amps AC	20 amps AC
AC Overload Capability	Surge (100 ms)	4600 VA	4600 VA	4600 VA
	5 Second	2900 VA	2900 VA	2900 VA
	30 Minutes	1800 VA	2000 VA	2000 VA
AC Input Current Maximum		30 amps AC	30 amps AC	30 amps AC
AC Input Voltage Range (Adjustable)		140 to 280 VAC	140 to 280 VAC	140 to 280 VAC
AC Input Frequency Range		45 to 55 Hz	45 to 55 Hz	45 to 55 Hz
DC Input Voltage Range		10.5 to 17.0 VDC	21.0 to 34.0 VDC	42.0 to 68.0 VDC
Continuous Battery Charger Output		70 amps DC	40 amps DC	20 amps DC
Max DC Current at Rated Power		130 amps DC	70 amps DC	35 amps DC
Warranty		Standard 2 year / Optional 5 year		
Weight	Unit	22.5 kg (49.6 lbs)		
	Shipping	25.56 kg (56.35 lbs)		
Dimensions (H x W x L)	Unit	33 x 21 x 41 cm (13 x 8.25 x 16.25")		
	Shipping	55 x 33 x 56 cm (21.75 x 13 x 22")		

\*Specifications subject to change without notice

Available From:



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

**European Office:**  
 BARCELONA, España  
 Phone: +34.93.654.9568

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

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