



# 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 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.



Les spécialistes  
de l'autonomie énergétique

**OutBack  
POWER™**  
member of The **AMETEK** Group™

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

## Specifications

### 230Vac 50Hz Sealed Models

### 120Vac 60Hz Sealed Models

	GFX1312E	GFX1424E	GFX1448E	GFX1312	GFX1424	GFX1548
Nominal DC Input Voltage	12 Vdc	24 Vdc	48 Vdc	12 Vdc	24 Vdc	48 Vdc
Continuous Power Rating at 25° C (77° F)	1300 VA	1400 VA	1400 VA	1300 VA	1400 VA	1500 VA
AC Voltage/Frequency	230 Vac 50 Hz	230 Vac 50 Hz	230 Vac 50 Hz	120 Vac 60 Hz	120 Vac 60 Hz	120 Vac 60 Hz
Continuous AC RMS Output at 25° C (77° F)	5.65 Aac	6.09 Aac	6.09 Aac	10.83 Aac	11.66 Aac	12.5 Aac
Idle Power						
Full	~ 18 Watts	~ 18 Watts	~ 18 Watts	~ 18 Watts	~ 18 Watts	~ 18 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 (1 ms)	28 Aac	28 Aac	28 Aac	56 Aac	56 Aac	56 Aac
RMS (100 ms)	20 Aac	20Aac	20 amps AC	40 Aac	40 Aac	40 Aac
AC Overload Capability						
Surge (100 ms)	4600 VA	4600 VA	4600 VA	4600 VA	4600 VA	4600 VA
5 Second	2900 VA	2900 VA	2900 VA	2900 VA	2900 VA	2900 VA
30 Minutes	1800 VA	2000 VA	2000 VA	1800 VA	2000 VA	2000 VA
AC Input Current Maximum	30 Aac	30 Aac	30 Aac	60Aac	60Aac	60Aac
AC Input Voltage Range (Adjustable)	140 to 280 Vac	140 to 280 Vac	140 to 280 Vac	70 to 140 Vac	70 to 140 Vac	70 to 140 Vac
AC Input Frequency Range	45 to 55 Hz	45 to 55 Hz	45 to 55 Hz	54 to 66 Hz	54 to 66 Hz	54 to 66 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 Vdc	21.0 to 34.0 Vdc	42.0 to 68.0 Vdc
Continuous Battery Charger Output	70 Adc	40 Adc	20 Adc	70 Adc	40 Adc	20 Adc
Max DC Current at Rated Power	130 Adc	70 Adc	35 Adc	130 Adc	70 Adc	37.5 Adc
Warranty	5 year			5 year		
Weight - kg/lb						
Unit	22.5 / 49.6			22.5 / 49.6		
Shipping	25.6 / 56.4			25.6 / 56.4		
Dimensions - H x W x L (cm/in)						
Unit	33 x 21 x 41 / 13 x 8.25 x 16.25			33 x 21 x 41 / 13 x 8.25 x 16.25		
Shipping	55 x 33 x 56 / 21.75 x 13 x 22			55 x 33 x 56 / 21.75 x 13 x 22		

Specifications subject to change without notice



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