



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.

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.

*Utilizing one inverter/charger per phase

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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Available From:



980-0023-01-00 REV B