



# GTFX & GVFX International Series

Grid-Interactive True Sinewave Inverter/Charger

## Sealed GTFX Series

- Provides Power When the Grid is Out
- Sinewave Output
- Intelligent Battery Charging
- Up to 23 kVA
- Sealed Chassis For Harsh Environments
- Corrosion Resistant Internal Components
- Field Serviceable

## Vented GVFX Series

- Provides Power When the Grid is Out
- Sinewave Output
- Intelligent Battery Charging
- Up to 30 kVA
- "Bug Proof" Chassis
- Field Serviceable



**Vented GVFX**

**Sealed GTFX**

The OutBack International Series true sinewave grid-interactive inverter/charger is a complete power solution. The International Series is designed for use in 50 Hz countries that have utility grids with nominal AC voltages of 230 VAC / 50Hz. For areas that frequently experience high or low power conditions such as surges, spikes or brownouts, or have trouble syncing to the utility grid, the International Series grid reconnect timers have been shortened to reduce overall system downtime and improve system functionality.

Incorporating a DC to AC sinewave inverter, battery charger and AC transfer switch housed within a die-cast aluminum chassis the International Series GTFX and GVFX 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. Our built in transfer switch 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. 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 International Series GTFX uses a sealed chassis that can operate in the harshest environmental conditions such as high humidity and corrosive salt air while the International Series GVFX uses a vented chassis with "bug proof" screened openings that allow high output AC power for various operating conditions.

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**<sup>™</sup>  
member of The  Group<sup>™</sup>  
[www.outbackpower.com](http://www.outbackpower.com)

# GTFX & GVFX International Series Specifications

		Sealed Models			Vented Models		
		GTFX2012E	GTFX2024E	GTFX2348E	GVFX2612E	GVFX3024E	GVFX3048E
Nominal DC Input Voltage		12 VDC	24 VDC	48 VDC	12 VDC	24 VDC	48 VDC
Continuous Power Rating at 25° C (77° F)		2000 VA	2000 VA	2300 VA	2600 VA	3000 VA	3000 VA
AC Voltage/Frequency		230 VAC 50 Hz	230 VAC 50 Hz	230 VAC 50 Hz	230 VAC 50 Hz	230 VAC 50 Hz	230 VAC 50 Hz
Continuous AC RMS Output at 25° C (77° F)		8.7 amps AC	8.7 amps AC	10.0 amps AC	11.3 amps AC	13.0 amps AC	13.0 amps AC
Idle Power	Full	~ 20 Watts	~ 20 Watts	~ 23 Watts	~ 20 Watts	~ 20 Watts	~ 23 Watts
	Search	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts
Typical Efficiency		90%	92%	92%	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	28 amps AC	35 amps AC	35 amps AC	28 amps AC	35 amps AC	35 amps AC
	RMS	20 amps AC	25 amps AC	25 amps AC	20 amps AC	25 amps AC	25 amps AC
AC Overload Capability	Surge	4600 VA	5750 VA	5750 VA	4600 VA	5750 VA	5750 VA
	5 Second	4000 VA	4800 VA	4800 VA	4000 VA	4800 VA	4800 VA
	30 Minutes	2500 VA	3100 VA	3100 VA	3100 VA	3300 VA	3300 VA
AC Input Current Maximum		30 amps AC	30 amps AC	30 amps AC	30 amps AC	30 amps AC	30 amps AC
AC Input Voltage Range (MATE Adjustable)		140 to 280 VAC	140 to 280 VAC	140 to 280 VAC	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	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	10.5 to 17.0 VDC	21.0 to 34.0 VDC	42.0 to 68.0 VDC
Operating Temperature Range		-40° C to 60° C (power derated above 25° C)			-40° C to 60° C (power derated above 25° C)		
Continuous Battery Charge Output		100 amps DC	50 amps DC	30 amps DC	120 amps DC	80 amps DC	40 amps DC
Warranty		Standard 2 year / Optional 5 year			Standard 2 year / Optional 5 year		
Weight	Unit	62.2 lbs (28.4 kg)			61 lbs (27.7 kg)		
	Shipping	67 lbs (30 kg)			64 lbs (29 kg)		
Dimensions (H x W x L)	Unit	13 x 8.25 x 16.25" (33 x 21 x 41 cm)			12 x 8.25 x 16.25" (30 x 21 x 41 cm)		
	Shipping	21.75 x 13 x 22" (55 x 33 x 56 cm)			21.75 x 13 x 22" (55 x 33 x 56 cm)		

\*Specifications subject to change without notice



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