



# GTFX & GVFX Series

Grid-Interactive True Sinewave Inverter/Charger

## Sealed GTFX

- Provides Power When the Grid is Out
- Sell Renewable Energy Back to the Grid
- Sinewave Output
- Intelligent Battery Charging
- Up to 6.0 kVA
- Sealed Chassis For Harsh Environments
- Corrosion Resistant Internal Components
- Field Serviceable
- Standard 5 year Warranty

## Vented GVFX

- Provides Power When the Grid is Out
- Sell Renewable Energy Back to the Grid
- Sinewave Output
- Intelligent Battery Charging
- Up to 7.2 kVA
- "Bug Proof" Chassis
- Field Serviceable
- Standard 5 year Warranty



**Vented GVFX**

**Sealed GTFX**



The OutBack true sinewave grid-interactive inverter/charger is a complete power solution. It incorporates a DC to AC sinewave inverter, battery charger and AC transfer switch housed within a die-cast aluminum chassis. The GTFX and GVFX Series 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 enables you to stack up to two units

while simultaneously communicating with other OutBack Power components. The exclusive modular system architecture means that increased power output is just an additional inverter/charger away. Our GTFX series uses a sealed chassis that can operate in the harshest environmental conditions such as high humidity and corrosive salt air while the GVFX series uses a vented chassis with "bug proof" screened openings that allow high output AC power 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™**  
member of The  Group™

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

## Grid Interactive Specifications

		Sealed Models		Vented Models	
		GTFX2524	GTFX3048	GVFX3524	GVFX3648
Nominal DC Input Voltage		24 VDC	48 VDC	24 VDC	48 VDC
Continuous Power Rating at 25° C		2500 VA	3000 VA	3500 VA	3600 VA
AC Voltage/Frequency		120 VAC 60 Hz	120 VAC 60 Hz	120 VAC 60 Hz	120 VAC 60 Hz
Continuous AC RMS Output at 25° C		20.8 amps AC	25.0 amps AC	29.2 amps AC	30.0 amps AC
Idle Power	Full	20 Watts	20 Watts	20 Watts	20 Watts
	Search	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts
Typical Efficiency		92%	93%	92%	93%
Total Harmonic Distortion	Typical	2%	2%	2%	2%
	Maximum	5%	5%	5%	5%
Output Voltage Regulation		± 2%	± 2%	± 2%	± 2%
Maximum Output Current	Peak	70 amps AC	70 amps AC	70 amps AC	70 amps AC
	RMS	50 amps AC	50 amps AC	50 amps AC	50 amps AC
AC Overload Capability	Surge	6000 VA	6000 VA	6000 VA	6000 VA
	5 Second	4800 VA	4800 VA	5000 VA	5000 VA
	30 Minutes	3200 VA	3200 VA	4000 VA	4000 VA
AC Input Current Maximum		60 amps AC	60 amps AC	60 amps AC	60 amps AC
Sell Back Voltage Range*		108 to 132 VAC	108 to 132 VAC	108 to 132 VAC	108 to 132 VAC
AC Input Frequency Range		59.3 to 60.5 Hz	59.3 to 60.5 Hz	59.3 to 60.5 Hz	59.3 to 60.5 Hz
DC Input Voltage Range		21 to 34 VDC	42 to 68 VDC	21 to 34 VDC	42 to 68 VDC
Continuous Battery Charge Output		55 amps DC	35 amps DC	85 amps DC	45 amps DC
Operating Temperature Range		-40° C to 60° C (power derated above 25° C)		-40° C to 60° C (power derated above 25° C)	
Warranty		Standard 5 year Warranty		Standard 5 year Warranty	
Weight	Unit	62 lbs (28 kg)		61 lbs (27.6 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)	
Certifications		ETL Listed to UL1741, CSA C22.2 No. 107.1	ETL Listed to UL1741, CSA C22.2 No. 107.1	ETL Listed to UL1741, CSA C22.2 No. 107.1 <small>Listed on CEC eligible equipment list</small>	ETL Listed to UL1741, CSA C22.2 No. 107.1

\* This product was designed to meet UL1741 specifications within the U.S. and Canada. Please check your local nominal power voltage ratings in areas where grid specifications might fluctuate.

\* Specifications subject to change without notice

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980-0012-01-00 REV D