



# 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



**Sealed GTFX**

**Vented GVFX**



OutBack Power's 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/Charger gives 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 environment conditions such as a 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 in 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.

## GTFX & GVFX Series Specifications

			Sealed Models		Vented Models		
			GTFX2524	GTFX3048	GVFX3524	GVFX3648	
<b>Nominal DC Input Voltage</b>			24 VDC	48 VDC	24 VDC	48 VDC	
<b>Continuous Power Rating at 25°C (77°F)</b>			2500 VA	3000 VA	3500 VA	3600 VA	
<b>AC Voltage/Frequency</b>			120 VAC / 60 Hz	120 VAC / 60 Hz	120 VAC / 60 Hz	120 VAC / 60 Hz	
<b>Continuous AC RMS Output at 25°C (77°F)</b>			20.8 Amps AC	25 Amps AC	29.2 Amps AC	30 Amps AC	
<b>Idle Power</b>			<b>Full</b>	~ 20 Watts	~ 23 Watts	~ 20 Watts	
			<b>Search</b>	~ 6 Watts	~ 6 Watts	~ 6 Watts	
<b>Typical Efficiency</b>			92%	93%	92%	93%	
<b>Total Harmonic Distortion</b>			<b>Typical</b>	2%	2%	2%	
			<b>Maximum</b>	5%	5%	5%	
<b>Output Voltage Regulation</b>			±2%	±2%	±2%	±2%	
<b>Maximum Output Current</b>			<b>Peak (1ms)</b>	70 Amps AC	70 Amps AC	70 Amps AC	
			<b>RMS (100ms)</b>	50 Amps AC	50 Amps AC	50 Amps AC	
<b>AC Overload Capability</b>			<b>Surge (100ms)</b>	6000 VA	6000 VA	6000 VA	
			<b>5 Seconds</b>	4800 VA	4800 VA	5000 VA	
			<b>30 Minutes</b>	3200 VA	3200 VA	4000 VA	
<b>AC Input Current Maximum</b>			60 Amps AC	60 Amps AC	60 Amps AC	60 Amps AC	
<b>Grid-Interactive Voltage Range*</b>			108 to 132 VAC	108 to 132 VAC	108 to 132 VAC	108 to 132 VAC	
<b>Grid-Interactive Frequency Range*</b>			59.3 to 60.5 Hz	59.3 to 60.5 Hz	59.3 to 60.5 Hz	59.3 to 60.5 Hz	
<b>AC Input Voltage Range</b>			108 to 132 VAC	108 to 132 VAC	108 to 132 VAC	108 to 132 VAC	
<b>AC Input Frequency Range</b>			55 to 65 Hz	55 to 65 Hz	55 to 65 Hz	55 to 65 Hz	
<b>DC Input Voltage Range</b>			21 to 34 VDC	42 to 68 VDC	21 to 34 VDC	42 to 68 VDC	
<b>Maximum DC Current at Rated Power</b>			125 Amps DC	75 Amps DC	175 Amps DC	90 Amps DC	
<b>Continuous Battery Charge Output</b>			55 Amps DC	35 Amps DC	85 Amps DC	45 Amps DC	
<b>Temperature Range</b>			<b>Rated</b>	0 to 50°C (power derated above 25°C)		0 to 50°C (power derated above 25°C)	
			<b>Maximum</b>	-40 to 60°C (functions, but does not necessarily meet all component specifications)		-40 to 60°C (functions, but does not necessarily meet all component specifications)	
<b>Warranty</b>			Standard 5 year			Standard 5 year	
<b>Certifications</b>			ETL Listed to UL1741, CSA C22.2 No. 107.1			ETL Listed to UL1741, CSA C22.2 No. 107.1	
<b>Weight</b>			<b>Unit</b>	62 lbs (29 kg)		62 lbs (28 kg)	
			<b>Shipping</b>	67 lbs (31 kg)		67 lbs (31 kg)	
<b>Dimensions (H x W x L)</b>			<b>Unit</b>	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)	
			<b>Shipping</b>	21.75 x 13 x 22" (55 x 33 x 56 cm)		21.75 x 13 x 22" (55 x 33 x 56 cm)	

\* 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.

### Available From:



**Corporate Office:**  
17825 59th Ave. NE, Suite B  
Arlington, WA 98223 USA  
Phone: +1 360 435 6030  
Fax: +1 360 435 6019

**European Office:**  
Hansastraße 8  
D-91126  
Schwabach, Germany  
Phone: +49 9122 79889 0  
Fax: +49 9122 79889 21

**Asia Office:**  
Suite 1903, Tower 1, China Hong Kong City  
33 Canton Road, Kowloon  
Hong Kong  
Phone: +852 2736 8663  
Fax: +852 2199 7988

**Latin American Office:**  
15105 Cedar Bluff Pl.  
Wellington, FL 33414 USA  
Phone: +1 561 792 9651  
Fax: +1 561 792 7157