



GTFX/GVFX Series

60Hz/120V Sealed and Vented Grid-Interactive Inverter/Chargers



Sealed GTFX

- Provides power when the grid is down
- 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 down
- 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

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/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-tied 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.

Models:	Sealed Models		Vented Models	
	GTFX2524	GTFX3048	GVFX3524	GVFX3648
Nominal DC Input Voltage	24VDC	48VDC	24VDC	48VDC
Continuous Power Rating (@ 25°C)	2500VA	3000VA	3500VA	3600VA
AC Frequency/Voltage	60Hz / 120VAC	60Hz / 120VAC	60Hz / 120VAC	60Hz / 120VAC
Continuous AC RMS Output (@25°C)	20.8AAC	25AAC	29.2AAC	30AAC
Idle Power	Full: ~20W Search: ~6W	Full: ~23W Search: ~6W	Full: ~20W Search: ~6W	Full: ~23W Search: ~6W
Peak Efficiency	—	—	—	95%
Typical Efficiency	92%	93%	92%	93%
Total Harmonic Distortion	Typical: 2% Maximum: 5%	Typical: 2% Maximum: 5%	Typical: 2% Maximum: 5%	Typical: 2% Maximum: 5%
Output Voltage Regulation	±2%	±2%	±2%	±2%
Maximum Output Current	Peak: 70AAC RMS: 50AAC	Peak: 70AAC RMS: 50AAC	Peak: 70AAC RMS: 50AAC	Peak: 70AAC RMS: 50AAC
AC Overload Capacity	Surge: 6000VA 5 Seconds: 4800VA 30 Minutes: 3200VA	Surge: 6000VA 5 Seconds: 4800VA 30 Minutes: 3200VA	Surge: 6000VA 5 Seconds: 5000VA 30 Minutes: 4000VA	Surge: 6000VA 5 Seconds: 5000VA 30 Minutes: 4000VA
AC Input Current Maximum	60AAC	60AAC	60AAC	60AAC
Grid-Interactive Voltage Range*	108 to 132VAC	108 to 132VAC	108 to 132VAC	108 to 132VAC
Grid-Interactive Frequency Range*	59.3 to 60.5Hz	59.3 to 60.5Hz	59.3 to 60.5Hz	59.3 to 60.5Hz
AC Input Voltage Range	108 to 132VAC	108 to 132VAC	108 to 132VAC	108 to 132VAC
AC Input Frequency Range	55 to 65Hz	55 to 65Hz	55 to 65Hz	55 to 65Hz
DC Input Voltage Range	21 to 34VDC	42 to 68VDC	21 to 34VDC	42 to 68VDC
Maximum DC Current (@ Rated Power)	125ADC	75ADC	175ADC	90ADC
Continuous Battery Charger Output	55ADC	35ADC	85ADC	45ADC
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	ETL Listed to UL1741, CSA C22.2 No. 107.1
Temperature Range	Rated: 0 to 50°C (power derated above 25°C) Maximum**: -25 to 60°C		Rated: 0 to 50°C (power derated above 25°C) Maximum**: -25 to 60°C	
Warranty	Standard 5 year, available 10 year		Standard 5 year, available 10 year	
Weight (lb/kg)	Unit: 62 / 29 Shipping: 67 / 31		Unit: 61 / 28 Shipping: 67 / 31	
Dimensions H x W x L (in/cm)	Unit: 13 x 8.25 x 16.25 / 33 x 21 x 41 Shipping: 21.75 x 13 x 22 / 55 x 33 x 56		Unit: 12 x 8.25 x 16.25 / 30.5 x 21 x 41 Shipping: 21.75 x 13 x 22 / 55 x 33 x 56	

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

**Functions, but does not necessarily meet all component specifications.

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