



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	
Nominal DC Input Voltage			24 VDC	48 VDC	24 VDC	48 VDC	
Continuous Power Rating at 25°C (77°F)			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 (77°F)			20.8 Amps AC	25 Amps AC	29.2 Amps AC	30 Amps AC	
Idle Power			Full	~ 20 Watts	~ 23 Watts	~ 20 Watts	
			Search	~ 6 Watts	~ 6 Watts	~ 6 Watts	
Typical Efficiency			92%	93%	92%	93%	
Total Harmonic Distortion			Typical	2%	2%	2%	
			Maximum	5%	5%	5%	
Output Voltage Regulation			±2%	±2%	±2%	±2%	
Maximum Output Current			Peak (1ms)	70 Amps AC	70 Amps AC	70 Amps AC	
			RMS (100ms)	50 Amps AC	50 Amps AC	50 Amps AC	
AC Overload Capability			Surge (100ms)	6000 VA	6000 VA	6000 VA	
			5 Seconds	4800 VA	4800 VA	5000 VA	
			30 Minutes	3200 VA	3200 VA	4000 VA	
AC Input Current Maximum			60 Amps AC	60 Amps AC	60 Amps AC	60 Amps AC	
Grid-Interactive Voltage Range*			108 to 132 VAC	108 to 132 VAC	108 to 132 VAC	108 to 132 VAC	
Grid-Interactive 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	
AC Input Voltage Range			108 to 132 VAC	108 to 132 VAC	108 to 132 VAC	108 to 132 VAC	
AC Input Frequency Range			55 to 65 Hz	55 to 65 Hz	55 to 65 Hz	55 to 65 Hz	
DC Input Voltage Range			21 to 34 VDC	42 to 68 VDC	21 to 34 VDC	42 to 68 VDC	
Maximum DC Current at Rated Power			125 Amps DC	75 Amps DC	175 Amps DC	90 Amps DC	
Continuous Battery Charge Output			55 Amps DC	35 Amps DC	85 Amps DC	45 Amps DC	
Temperature Range			Rated	0 to 50°C (power derated above 25°C)		0 to 50°C (power derated above 25°C)	
			Maximum	-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)	
Warranty			Standard 5 year			Standard 5 year	
Certifications			ETL Listed to UL1741, CSA C22.2 No. 107.1			ETL Listed to UL1741, CSA C22.2 No. 107.1	
Weight			Unit	62 lbs (29 kg)		62 lbs (28 kg)	
			Shipping	67 lbs (31 kg)		67 lbs (31 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)	

* 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.

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