

# EmiratesGreen

الامارات الخضراء لتجارته المعدات الكهربائية والميكانيكية  
**EmiratesGreen** Electrical & Mechanical Trading Est.

P.O. Box: 110507 | Phone: +971 2 491 0 757 | Abu Dhabi, U.A.E  
Email: [solar@emiratesgreen.com](mailto:solar@emiratesgreen.com) | Web: [www.emiratesgreen.ae](http://www.emiratesgreen.ae)



# 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  |
| <b>Nominal DC Input Voltage</b>           | 24VDC  | 48VDC   | 24VDC  | 48VDC   |
| <b>Continuous Power Rating (@ 25°C)</b>   | 2500VA   | 3000VA  | 3500VA   | 3600VA  |
| <b>AC Frequency/Voltage</b>               | 60Hz / 120VAC  | 60Hz / 120VAC   | 60Hz / 120VAC  | 60Hz / 120VAC   |
| <b>Continuous AC RMS Output (@25°C)</b>   | 20.8AAC  | 25AAC   | 29.2AAC  | 30AAC   |
| <b>Idle Power</b>                         | <b>Full:</b> ~20W<br><b>Search:</b> ~6W  | <b>Full:</b> ~23W<br><b>Search:</b> ~6W                                       | <b>Full:</b> ~20W<br><b>Search:</b> ~6W  | <b>Full:</b> ~23W<br><b>Search:</b> ~6W                                       |
| <b>Peak Efficiency</b>                    | —  | —   | —  | 95%   |
| <b>Typical Efficiency</b>                 | 92%  | 93%   | 92%  | 93%   |
| <b>Total Harmonic Distortion</b>          | <b>Typical:</b> 2%<br><b>Maximum:</b> 5%   | <b>Typical:</b> 2%<br><b>Maximum:</b> 5%                                      | <b>Typical:</b> 2%<br><b>Maximum:</b> 5%   | <b>Typical:</b> 2%<br><b>Maximum:</b> 5%                                      |
| <b>Output Voltage Regulation</b>          | ±2%  | ±2%   | ±2%  | ±2%   |
| <b>Maximum Output Current</b>             | Peak: 70AAC<br>RMS: 50AAC  | Peak: 70AAC<br>RMS: 50AAC   | Peak: 70AAC<br>RMS: 50AAC  | <b>Peak:</b> 70AAC<br><b>RMS:</b> 50AAC                                       |
| <b>AC Overload Capacity</b>               | <b>Surge:</b> 6000VA<br><b>5 Seconds:</b> 4800VA<br><b>30 Minutes:</b> 3200VA                    | <b>Surge:</b> 6000VA<br><b>5 Seconds:</b> 4800VA<br><b>30 Minutes:</b> 3200VA | <b>Surge:</b> 6000VA<br><b>5 Seconds:</b> 5000VA<br><b>30 Minutes:</b> 4000VA                      | <b>Surge:</b> 6000VA<br><b>5 Seconds:</b> 5000VA<br><b>30 Minutes:</b> 4000VA |
| <b>AC Input Current Maximum</b>           | 60AAC  | 60AAC   | 60AAC  | 60AAC   |
| <b>Grid-Interactive Voltage Range*</b>    | 108 to 132VAC  | 108 to 132VAC   | 108 to 132VAC  | 108 to 132VAC   |
| <b>Grid-Interactive Frequency Range*</b>  | 59.3 to 60.5Hz   | 59.3 to 60.5Hz  | 59.3 to 60.5Hz   | 59.3 to 60.5Hz  |
| <b>AC Input Voltage Range</b>             | 108 to 132VAC  | 108 to 132VAC   | 108 to 132VAC  | 108 to 132VAC   |
| <b>AC Input Frequency Range</b>           | 55 to 65Hz   | 55 to 65Hz  | 55 to 65Hz   | 55 to 65Hz  |
| <b>DC Input Voltage Range</b>             | 21 to 34VDC  | 42 to 68VDC   | 21 to 34VDC  | 42 to 68VDC   |
| <b>Maximum DC Current (@ Rated Power)</b> | 125ADC   | 75ADC   | 175ADC   | 90ADC   |
| <b>Continuous Battery Charger Output</b>  | 55ADC  | 35ADC   | 85ADC  | 45ADC   |
| <b>Certifications</b>                     | 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                                     |
| <b>Temperature Range</b>                  | <b>Rated:</b> 0 to 50°C (power derated above 25°C)<br><b>Maximum**:</b> -25 to 60°C              |   | <b>Rated:</b> 0 to 50°C (power derated above 25°C)<br><b>Maximum**:</b> -25 to 60°C                |   |
| <b>Warranty</b>                           | Standard 5 year, available 10 year   |   | Standard 5 year, available 10 year   |   |
| <b>Weight (lb/kg)</b>                     | <b>Unit:</b> 62 / 29<br><b>Shipping:</b> 67 / 31   |   | <b>Unit:</b> 61 / 28<br><b>Shipping:</b> 67 / 31   |   |
| <b>Dimensions H x W x L (in/cm)</b>       | <b>Unit:</b> 13 x 8.25 x 16.25 / 33 x 21 x 41<br><b>Shipping:</b> 21.75 x 13 x 22 / 55 x 33 x 56 |   | <b>Unit:</b> 12 x 8.25 x 16.25 / 30.5 x 21 x 41<br><b>Shipping:</b> 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.

### Worldwide Corporate Offices

|  |  |  |   |
|--|--|--|---|
| <b>North America</b><br>Tel: +1 360.435.6030<br>Fax: +1 360.435.6019 | <b>Latin America</b><br>Tel: +1 561.792.9651<br>Fax: +1 561.792.7157 | <b>Europe</b><br>Tel: +49 9122.79889.0<br>Fax: +49 9122.79889.21 | <b>Asia Pacific</b><br>Tel: +852 2736.8663<br>Fax: +852 2199.7988 |
|--|--|--|---|

AVAILABLE FROM

