

# Get connected with the Xantrex GT 3.0 Grid Tie Solar Inverter



## Our new inverter makes installation easier and more affordable

When Xantrex set out to develop the GT 3.0 Grid Tie Solar Inverter we listened to the experts – renewable energy dealers and installers. The result is a high performance inverter that makes utility interactive installations easier and more cost effective. Our three kilowatt high performance PV string inverter offers high efficiency, lower installed cost, improved aesthetics and high reliability. The GT 3.0 is a high quality product that offers the best price/performance ratio in the industry.

### A High Performance String Inverter:

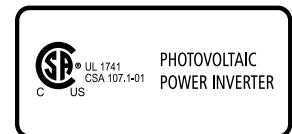
- ▶ >94% peak and average efficiency maximizes your PV investment
- ▶ Fast MPPT tracking algorithm ensures maximum energy harvest from your array under any conditions
- ▶ Excellent thermal performance: provides 3.0 kW up to 30° C and 2.5 kW to 45° C with no fan required
- ▶ Optional fan kit extends thermal performance for extremely hot climates (see graph on reverse)
- ▶ FCC Part B compliance means less potential interference with communication, radio, and consumer electronics

### Easy and Less Costly to Install:

- ▶ Wide PV input MPPT tracking voltage range makes module selection and sizing extremely flexible
- ▶ Includes a lightweight and versatile mounting bracket that simplifies installation
- ▶ Modular design allows inverters to be mounted side by side using each wiring box as a wiring raceway
- ▶ Easy access PV and utility terminal block simplifies wiring
- ▶ Integrated lockable utility/PV disconnect saves installation time and balance of system component cost
- ▶ Wiring box can be separated from the sealed inverter enclosure allowing DC/AC connections to remain intact in the unlikely event that the inverter needs to be serviced
- ▶ Rugged NEMA 3R inverter enclosure allows reliable outdoor and indoor installations

### Full Featured Inverter Display and Communications:

- ▶ Liquid Crystal Display (LCD) provides instantaneous power, daily and lifetime energy production, PV array voltage and current, utility voltage and frequency, time online "selling" today, fault messages, and installer customizable screens
- ▶ LCD vibration sensor allows the tap of a finger to turn backlight on and display screen cycling
- ▶ Bright LED indicators provide system status at a glance
- ▶ Integrated RS232 and Xanbus RJ45 communication ports
- ▶ PC software for remote monitoring and system troubleshooting



As part of the Bonneville Environmental Foundation Green Tags program, Xantrex manufacturing facilities in the US operate on 100% green electricity.

BONNEVILLE ENVIRONMENTAL FOUNDATION

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## Xantrex Grid Tie Solar Inverter 3.0

### Electrical Specifications

Maximum AC Power Output	3000 W
Waveform	True Sinewave, current source
AC Voltage (nominal)	211 to 264 VAC (240 VAC)
AC Frequency (nominal)	59.3 to 60.5 Hz (60Hz)
DC Input Voltage Range	195 to 600 VDC
Peak Power Tracking Voltage Range	195 to 550 VDC
Current THD	< 5%
Power Factor	Unity
Peak Inverter Efficiency	94.6%
Maximum Continuous Output Current	14.2 A
Over Current Protection	20 A
Night Time Power Consumption	1W (Communications and Liquid Crystal Display continuously active)
Regulatory Compliance	CSA listed to UL 1741 and CSA107.1-01, FCC Class B

### Mechanical Specifications

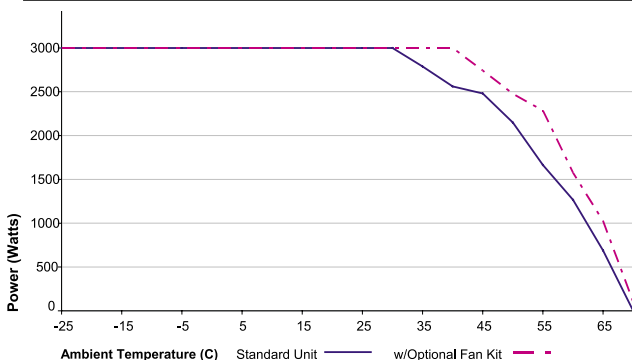
Operating Temperature Range	-25°C to +65°C (-13°F to +149 °F)
Enclosure Type	NEMA 3R
Unit Weight	45 lbs (20.4 kg)
Shipping Weight	58.7 lbs (26.6 kg)
Shipping Dimensions	34.1" x 20.4" x 10.3" (86.6 cm x 51.8 cm x 26.2 cm)
Inverter Dimensions (H x W x D)	28.5" x 15.9" x 5.7" (72.5 cm x 40.3 cm x 14.6 cm)
Mounting	Wall Mount (mounting bracket included)

### Features

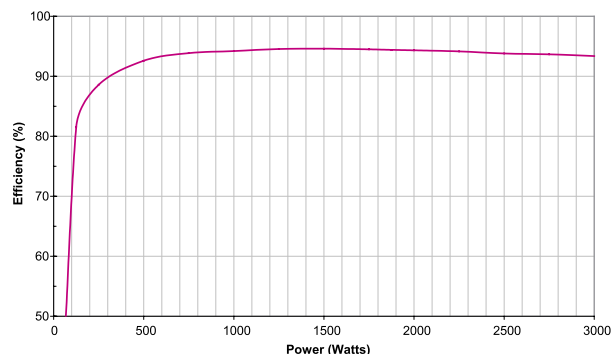
PV/Utility Disconnect	Eliminates need for external PV (DC) disconnect. Complies with NEC.
Cooling	Convection (no fan required)
Display	Backlit, two line, 16 character Liquid Crystal Display provides instantaneous power, daily and lifetime energy production, PV array voltage and current, utility voltage and frequency, time online "selling" today, fault messages, and installer customizable screens
Communications	RS 232 and two Xanbus RJ45 ports
Wiring Box	PV, Utility, Ground, and Communications connections. Wiring box can be separated from inverter
Warranty	5 year parts and labor (10 year extended warranty available)
Part Number / Model Number	864-0001 / GT 3.0-NA-DS-240
MSRP	\$2,500 US

### Options

**Fan Kit** For extreme temperatures and/or south facing inverter installations



Output Power vs. Ambient Temperature



Efficiency vs. Output Power