

Smart choice for power

xantrex

# Get connected with Xantrex GT Series Grid Tie Solar Inverters



## Xantrex inverters make installation easy and affordable

Xantrex offers a family of grid tie solar inverters designed with the knowledge and expertise of renewable energy dealers and installers. The result is a high performance series of inverters that makes utility interactive installations easy and cost effective. Xantrex high performance photovoltaic (PV) string inverters offer high efficiency, low installed cost, clean design and high reliability. The GT Series includes high quality inverters that offer the best price versus performance in the industry.

## High performance string inverters:

- ▶ Peak and average efficiency greater than 94% maximizes your PV investment.
- ▶ Fast MPPT algorithm ensures maximum energy harvest from your array under any conditions.
- ▶ Excellent thermal performance provides full rated power up to 40°C.
- ▶ FCC Part B compliance means less potential interference with communication, radio, and consumer electronics.

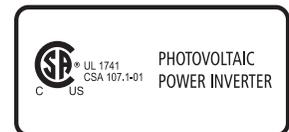
## Easy and inexpensive to install:

- ▶ Includes integrated lockable AC/DC disconnect that is NEC compliant as a DC disconnect.
- ▶ Includes a lightweight and versatile mounting bracket that simplifies installation.
- ▶ Offers wide MPPT PV module input voltage range to make module selection & sizing extremely flexible.
- ▶ Modular design allows Xantrex GT Series Inverters with the same or different power levels to be mounted side-by-side using the wiring box as a wiring raceway.
- ▶ Easy access PV and utility terminal block simplifies wiring.
- ▶ 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 NEMA3R inverter enclosure allows reliable outdoor and indoor installations.

## Full feature inverter display and communications available day or night

- ▶ Includes Liquid Crystal Display (LCD) providing 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.
- ▶ Free PC software for remote monitoring and system troubleshooting available online.

For more information about the GT Series as well as access to the Xantrex string sizing tool, and a free download of GT View please visit: [www.xantrex.com/gridtie](http://www.xantrex.com/gridtie)



## Xantrex Technology Inc.

### Headquarters

8999 Nelson Way  
Burnaby, British Columbia  
Canada V5A 4B5

[customerservice@xantrex.com](mailto:customerservice@xantrex.com)

[www.xantrex.com](http://www.xantrex.com)

## Xantrex GT Series Grid Tie Solar Inverter

## Electrical Specifications

Models	GT2.5-NA-DS-240	GT3.0-NA-DS-240	GT3.3-NA-DS-240	GT3.3-NA-DS-208	GT3.8-NA-DS-240
Maximum AC power output	2500 W	3000 W	3300 W	3300 W	3800 W
AC output voltage (nominal)	240 VAC	240 VAC	240 VAC	208 VAC	240 VAC
AC output voltage range	211 - 264 VAC	211 - 264 VAC	211 - 264 VAC	183 - 228 VAC	211 - 264 VAC
AC frequency (nominal)	60 Hz				
AC frequency range	59.3 - 60.5 Hz				
Maximum continuous output current	11.8 A	14.2 A	15.6 A	18 A	16 A
Current THD	< 3%	< 5%	< 3%	< 3%	< 3%
Power factor	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9
DC input voltage range	195 - 600 VDC				
Peak power tracking voltage range	195 - 550 VDC				
Peak inverter efficiency	94.8%	94.6%	95.3%	94.7%	95.7%
CEC efficiency	94.0%	94.5%	94.5%	94.0%	95.0%
Night time power consumption	1 W	1 W	1 W	1 W	1 W
Output overcurrent protection	15 A	20 A	20 A	25 A	20 A

## Mechanical Specifications

Operating temperature range	-13°F to +149°F (-25°C to +65°C)
Enclosure type	NEMA3R (outdoor rated)
Unit weight	49.0 lbs (22.2 kg) to 51.0 lbs (23.1 kg)
Shipping weight	57.0 lbs (25.9 kg) to 59.0 (26.8 kg)
Shipping dimensions (H x W x D)	34.1 x 20.4 x 10.3" (86.6 x 51.8 x 26.2 cm)
Inverter dimensions (H x W x D)	28.5 x 15.9 x 5.7" (75.5 x 40.3 x 14.6 cm)
Mounting	Wall Mount (mounting bracket included)

## Features

PV/Utility disconnect	Eliminates need for external PV (DC) disconnect. Complies with NEC requirements.
Cooling	Convection cooled, fan not required.
Display	Backlit, 2-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	One RS 232 and two Xanbus RJ45 ports.
Wiring box	PV, utility, ground, and communications connections. The inverter can be separated from the wiring box.
Warranty	5-year standard (an additional 5-year extended warranty is available).
Part number (negative ground)	864-0108
Part number (positive ground)	864-0112

## Options

Positive grounding	Positive grounding configurations available for the GT2.5-NA-DS-240, GT3.3-NA-DS-240, GT3.3-NA-DS-208, & GT3.8-NA-DS-240 inverters as required.
--------------------	---