

Smart choice for power

xantrex

The new Xantrex GT 5.0

Value and reliability
like no other



NEW

The Xantrex GT 5.0 offers value and reliability in a package you're already comfortable with

Xantrex takes our proven GT Series design to the next level with a five kilowatt inverter. Our high performance photovoltaic string inverter offers high efficiency, clean aesthetics, high reliability as well as lower installed cost through time saving installation and included features. The GT 5.0 also offers best-in-class efficiency and the best price-to-performance ratio in the industry. The result is a high performance inverter that makes utility interactive installations easier and more cost effective.

Technology:

- ▶ Proven high frequency design in a compact enclosure
- ▶ Integrated DC/AC disconnect that is NEC compliant to eliminate the need for external DC (PV)
- ▶ Large heat sink offers extraordinary heat dispersion without the need for a cooling fan
- ▶ Backlit, two-line, 16-character liquid crystal display (LCD) indicates instantaneous power, daily and lifetime energy production, photovoltaic array voltage and current, utility voltage and frequency, time online "selling" today, fault messages. 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

Installation:

- ▶ Module selection and sizing are extremely flexible due to wide PV input MPPT tracking voltage range
- ▶ A lightweight and versatile mounting bracket simplifies installation
- ▶ The modular design allows inverters to be mounted side-by-side, using each wiring box as a wiring raceway
- ▶ Easy access DC (photovoltaic) and AC (utility) terminal block simplifies wiring
- ▶ Integrated lockable AC/DC disconnect saves installation time and balance of system component cost
- ▶ Rugged NEMA 3R inverter enclosure allows reliable outdoor and indoor installations

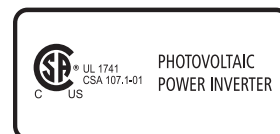
Performance:

- ▶ 95.5% (CEC listed) 94% peak efficiency maximizes investment and energy harvest
- ▶ Fast MPPT tracking algorithm ensures maximum energy harvest from the array under any conditions
- ▶ Excellent thermal performance
- ▶ FCC Part B compliance means less potential interference with communication, radio, and consumer electronics

Serviceability:

- ▶ 5-year standard warranty (10-year extended warranty available)
- ▶ Sealed inverter enclosure can be separated from the wiring box allowing DC/AC connections to remain intact in the unlikely event that the inverter needs to be serviced

For more information about the GT Series, access to the Xantrex string sizing tool, and free download of GT View, please visit: www.xantrex.com/gridtie



www.xantrex.com

Xantrex Grid Tie Solar Inverter Series

Electrical Specifications

Models	GT 5.0-NA-DS-240
Maximum AC power output	5000 W
AC output voltage (nominal)	240 Vac
AC output voltage range	211 - 264 Vac
AC frequency (nominal)	60 Hz
AC frequency range	59.3 - 60.5 Hz
Maximum continuous output current	23A
Current THD	< 2%
Power factor	> 0.9
DC input voltage range	235 - 600 Vdc
Peak power tracking voltage range	235-550 Vdc
Peak inverter efficiency	96.5%
CEC efficiency	95.5%
Night-time power consumption	1 W
Output over-current protection	15 A

Mechanical Specifications

Operating temperature range	-13F to +149F (-25°C to +65°C)
Enclosure type	NEMA 3R
Unit weight	57.0 lbs (25.8 kg)
Shipping weight	60.0 lbs (27.2 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, no fan required.
Display	Backlit, 2-line, 16-character liquid crystal display indicates instantaneous power, daily and lifetime energy production, PV array voltage and current, utility voltage and frequency, time online "selling" today, fault messages. 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 the inverter.
Warranty	5-year parts (10-year extended warranty available)
Part number	864-0118

Options

Positive grounding	Positive grounding configurations available for the GT2.5-NA-DS-240, GT3.3-NA-DS-240, and GT3.3-NA-DS-208 inverters
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