

Smart choice for power

GT Series Grid Tie Solar Inverters

Performance, Value and Peace of Mind



Xantrex GT Series Grid Tie Solar Inverters

Xantrex photovoltaic string inverters offer high efficiency, clean aesthetics, high reliability, as well as lower installed cost, through time-saving installation and included features. 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), and in some jurisdictions, AC disconnects
- ▶ Large heat sink offers extraordinary heat dispersion without the need for a cooling fan
- ▶ Backlit, two-line, 16-character liquid crystal display (LCD) provides instantaneous power, daily and lifetime energy production, photovoltaic array voltage and current, utility voltage and frequency, time online "selling" today, fault messages, and installer customized screens
- ▶ Bright LED indicators provide system status at-a-glance
- ▶ LCD vibration sensor allows the tap of a finger to turn backlight on and to cycle through display screens
- ▶ Integrated RS232 and Xanbus™ RJ45 communication ports
- ▶ Free PC software for remote monitoring and system troubleshooting available online

Installation

- ▶ Flexible module selection and sizing due to wide PV input MPPT tracking voltage range
- ▶ Lightweight and versatile mounting bracket simplifies installation
- ▶ 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

- ▶ Best-in-class efficiency to maximize investment of solar system
- ▶ Accurate MPPT tracking ensures maximum energy harvest under any condition
- ▶ Excellent thermal performance
- ▶ FCC Part B compliance means less potential interference with communication, radio, and consumer electronics

Serviceability

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



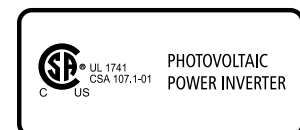
Standard
10-year
warranty

Xantrex Technology Inc.

Customer Service/Technical Support

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Xantrex GT Series Grid Tie Solar Inverters

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	GT5.0-NA-DS-240
Maximum AC power output	2500 W	3000 W	3300 W	3800 W	5000 W
AC output voltage (nominal)	240 Vac	240 Vac	240 Vac 208 Vac	240 Vac	240 Vac
AC output voltage range	211 - 264 Vac	211 - 264 Vac	211 - 264 Vac 183 - 228 Vac	211 - 264 Vac	211 - 264 Vac
AC frequency (nominal)	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
AC frequency range	59.3 - 60.5 Hz	59.3 - 60.5 Hz	59.3 - 60.5 Hz	59.3 - 60.5 Hz	59.3 - 60.5 Hz
Maximum continuous output current	11.8 A	14.2 A	15.6 A 18 A	16 A	23 A
Current THD	< 3%	< 5%	< 3%	< 3%	< 2%
Power factor	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9
DC input voltage range	195 - 600 Vdc	195 - 600 Vdc	195 - 600 Vdc	195 - 600 Vdc	235 - 600 Vdc
Peak power tracking voltage range	195 - 550 Vdc	195 - 550 Vdc	195 - 550 Vdc	195 - 550 Vdc	235 - 550 Vdc
Peak inverter efficiency	94.8%	94.6%	95.3% 94.7%	95.7%	96.5%
CEC efficiency	94.0%	94.5%	94.5% 94.0%	95.0%	95.5%
Night-time power consumption	1 W	1 W	1 W	1 W	1 W
Output over-current protection	15 A	20 A	20 A 25 A	20 A	30 A

Mechanical Specifications	
Operating temperature range	-13°F to +149°F (-25°C to +65°C)
Enclosure type	NEMA 3R (outdoor rated)
Unit weight	49.0 lbs (22.2 kg) to 58.0lb (25.8 kg)
Shipping weight	57.0 lbs (25.9 kg) to 65.0lb (27.2 kg)
Shipping dimensions (H x W x D)	34.1 x 20.4 x 10.3" (866 x 518 x 262 mm)
Inverter dimensions (H x W x D)	28.5 x 15.9 x 5.7" (755 x 403 x 146 mm)
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, 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	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	10-year standard
Part number (negative ground)	864-0108 864-0002 864-0107 864-0111
Part number (positive ground)	864-0112 N/A 864-0114 N/A N/A

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

Specifications subject to change without notice.