

# Get connected with Xantrex's new Grid Tie Solar Inverters



## Xantrex inverters make installation easy and affordable

When Xantrex set out to develop the Grid Tie Solar Inverters 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 high performance PV string inverters offer high efficiency, lower installed cost, improved aesthetics and high reliability. The GT Series inverters are high quality products that offer the best price/performance ratio in the industry.

## High performance string inverters:

- ▶ Superior PV energy harvest
- ▶ Peak inverter efficiency
- ▶ Excellent thermal performance

## Easy and affordable 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
- ▶ Large heatsink on front allows inverters to be mounted side-by-side with zero clearance
- ▶ Lightweight and compact size
- ▶ Rugged IP54 inverter enclosure allows reliable outdoor and indoor installations

## Full featured inverter display and communications:

- ▶ Liquid Crystal Display (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
- ▶ PC software for remote monitoring and system troubleshooting

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ENABLED

## Xantrex Technology Inc.

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Our evolution to Schneider Electric, the global specialist in energy management, re-affirms our commitment to provide you with innovative solutions, best-in-class customer service, and exceptional quality in everything we do. We are proud to be your partner, and we are dedicated to helping you make the most of your energy.

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

## Xantrex™ Grid Tie Solar Inverters

Electrical Specifications	GT2.8-AU	GT5.0-AU
<b>Output</b>		
Maximum AC power output	2800 W	5000 W
Nominal AC voltage	230 V	230 V
Nominal AC frequency	50 Hz	50 Hz
Maximum continuous output current	14.0 A	24.0 A
Over current protection	20 A	30 A
Current THD	< 3 %	< 3 %
Peak inverter efficiency	95%	96%
Euro efficiency	94%	95.20%
Night time tare loss	1 W	1 W
Topology	HF, Isolated	HF, Isolated
<b>Input</b>		
DC input voltage range	195 to 600 Vdc	240 to 600 Vdc
Peak power tracking voltage range	195 to 550 Vdc	240 to 550 Vdc
Recommended PV array power	3070 W	5300 W
Maximum array short circuit current	24 Adc	24 Adc
<b>Mechanical Specifications</b>		
Operating temperature range	-25°C to 65°C	-25°C to 65°C
Protection rating	IP54	IP54
Inverter weight	19.5 kg	22.3 kg
Shipping weight	25.5 kg	27.2 kg
Inverter dimensions (H x W x D)	597 x 403 x 136 mm	597 x 403 x 136 mm
Shipping dimensions (H x W x D)	692 x 518 x 262 mm	692 x 518 x 262 mm
<b>General Data</b>		
Part number	864-1030	864-1039
Model number	GT2.8-AU-QC-230	GT5.0-AU-QC-230
Mounting	Wall mount (bracket included)	
Cooling	Convection (no fan)	Convection (no fan)
Display	Backlit, two line, 16 character liquid crystal display	
Communication interfaces	RS 232 and two Xanbus RJ45 ports	
Warranty	5 year parts and labor (10 year extended warranty available)	
Regulatory approvals	Safety: RcM mark per AZ/NZS 3100 EMC: RcM mark per EN61000-6-1, EN61000-6-3, EN61000-3-2, EN61000-3-3 Interconnect: AS4777.2-2005, AS4777.3-2005	
Other approvals	Australian Clean Energy Council "Tested and Approved Grid Connected Inverters" List	
<b>Accessories</b>		
Remote display	Optional GT Solar Inverter Monitor (p/n: 864-0203) provides total PV system performance in daily, monthly, and lifetime views, on a graphical display screen. Monitors up to five GT Series inverters.	
Remote monitoring	Optional Xantrex™ Communication Gateway (p/n: 865-1055) includes both built-in Wi-Fi and Ethernet connectivity allowing for wireless or wired connection to a router or directly to a PC. Logs performance data and provides a simple and graphically rich view of system performance through Yahoo™ Widget based monitoring software. The Gateway monitors up to twenty GT Series inverters.	