

# Grid Tie Interface

Connect the SW Inverter/Charger to the Utility Grid



## Applications

- ▶ Use the Grid Tie Interface (GTI) to run the SW Inverter/Charger in utility interactive Sell Mode.
- ▶ For use with new 4.0 kVA and 5.5 kVA SW Inverter/Chargers containing Rev 4.2 or higher firmware.

## Features

- ▶ Significantly improves performance and power quality in Sell Mode.
- ▶ Meets IEEE 519 for power quality (THD).
- ▶ Compliant with IEEE 929 and UL 1741 anti-islanding standards.
- ▶ Increases overall inverter sell back efficiency, using Xantrex' proprietary Phase Control feature.
- ▶ Easy Installation.

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# Grid Tie Interface

## Connect the SW Inverter/Charger to the Utility Grid

### Electrical Specifications

<b>Utility Interactive Protection</b>	Over/under AC voltage and frequency detection plus active islanding detection
<b>AC Voltage (Nominal)</b>	120 VAC
<b>AC Voltage (Allowed)</b>	
<b>Utility Interactive Mode</b>	106 - 132 VAC
<b>Bypass Mode (Adjustable)</b>	80 - 149 VAC inverter controlled
<b>Frequency (Allowed)</b>	
<b>Utility Interactive Mode</b>	59.3 - 60.5 Hz
<b>Bypass Mode</b>	53.0 - 67.0 Hz inverter controlled
<b>AC Current (Allowed @ 25 °C)</b>	
<b>Utility Interactive Mode</b>	40 amps continuous
<b>Bypass Mode</b>	60 amps continuous
<b>Total Output Harmonic Distortion</b>	
<b>Rated</b>	< 5% at full power
<b>Typical</b>	2.5% at full power
<b>Power Factor (Allowed)</b>	> 94%

### General Specifications

<b>Enclosure Type</b>	Indoor, ventilated, steel chassis with white, powder coat finish
<b>Unit Weight</b>	26 lb (11.8 kg)
<b>Dimensions (H x W x D)</b>	6.3" x 21.0" x 7.0" (16 cm x 53.3 cm x 17.8 cm )
<b>Mounting</b>	Wall mount in a horizontal position only with a mounting bracket
<b>AC Input/Output Terminals</b>	Sized for #2 - #14 AWG wire
<b>Conduit Sizes</b>	Dual ¾" - 1" and ½" - ¾" knockouts available
<b>Warranty</b>	2 years
<b>Part Number</b>	GTI

### Regulatory Approvals

CSA Listed to UL1741-1st Edition

UL Listed to UL1741 - 1st Edition

Note: All electrical specifications are based on the unit operating in the Utility Interactive mode, unless otherwise specified.

Note: Use only with Xantrex/Trace Engineering inverter models: SW4024, SW4048, and SW5548, with Rev 4.2 or higher firmware.

Note: Bypass Mode refers to all operating modes other than Utility Interactive mode.