Xantrex Inc. is a world-recognized leader in advanced power electronics. We enable green energy through our inverters and charge controllers, which transform raw electrical energy from solar, wind, micro-hydro or fuel generators into high-quality household (AC) electricity.

Key Features:
- 1200W DC to AC Pure Sinewave Inverter
- 80% Efficiency
- Extremely quiet operation
- American-made quality components designed and manufactured in the USA
- Unsurpassed surge capacity - innovative Full Digital Control regulates voltage to prevent a drop during a power surge.
- 120/240-volt split-phase, true sine wave output (no need for autotransformer or stacking inverters)
- Easier and less expensive to install – mounting bracket included and Power Distribution Panel includes all AC/DC wiring
- Certified to UL1741 and CSA for utility-interactive applications (no need to purchase an application-specific model)
- Maximum power point tracking (MPPT) to deliver the maximum available current for charging batteries. The XW SCC can be used with stand-alone applications (those not connected to the utility grid), as it provides homes with a completely autonomous supply of electricity. Most applications use solar arrays, but a wind generator, micro-hydro generator, and/or a fuel generator can also be incorporated into the system. Xantrex inverters allow customers to increase energy efficiency and provide freedom from the utility grid, while making a positive impact on the environment.

XW System Applications

Grid-connected Renewable Energy System with Backup Power

The Xantrex XW System can process multiple forms of incoming power making it a popular choice for off-grid installations. These systems are typically used in areas where access to the utility grid is not available or is too expensive. The XW System is designed to interconnect with the utility grid, allowing the owner to sell any excess power generated back to the utility grid. When the utility grid is active, the Xantrex XW System will supply power to the home while acting as an inverter to convert the DC power from the batteries and energy inputs, to support the home's electrical needs.

Grid-connected homes can also benefit from the use of a Xantrex XW System as the inverter will automatically detect a grid failure and instantly switch to backup power stored in the battery bank. When the grid is active, the XW System will supply power to the home while acting as an inverter to convert the DC power from the batteries and energy inputs, to support the home's electrical needs.

The diagram below explains these three system applications:

The XW Power Distribution Panel (XW PDP) with conduit box is factory-wired and labeled to support a code-compliant and maintenance-free installation. A tab and key pad can be mounted on the right side of the Xantrex Charge Controller and the display is luminous in bright sunlight. The XW PDP includes battery monitoring and charge controllers, to support larger systems.

The Xantrex Solar Charge Controller (XW SCC) communicates with other Xantrex equipment and allows for a comprehensive monitoring setup. It communicates with solar inverters, charge controllers, and other Xantrex equipment to support larger systems. The Xantrex XW Hybrid Inverter/Charger is a plug-and-play system that can be used for both residential and commercial applications. It is factory configured to mount on the right side of the inverter/charger and may also be configured to be mounted on the left side. It is factory configured with up to three inverters, four charge controllers, or other equipment to support larger systems.
XW Automatic Generator Start
Compatible with popular generators. The XW Automatic Generator Start consists of: a high-efficiency, 120/240 VAC charger, XW Power Distribution Panel, including both AC & DC breakers, and the XW Solar Charge Controller.

The XW System consists of several devices, components, and optional accessories that, when installed together, create a renewable energy power system that can be customized to suit nearly any application – off-grid, grid-tie, or backup. Field-serviceable, with out-of-the-box network capability, the complete Xantrex XW System consists of: A high-efficiency XW Inverter/Charger, XW Power Distribution Panel, including both AC & DC breakers, and the XW Solar Charge Controller.

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XW System Overview

The XW System consists of several devices, components, and optional accessories that, when installed together, create a renewable energy power system that can be customized to suit nearly any application – off-grid, grid-tie, or backup. Field-serviceable, with out-of-the-box network capability, the complete Xantrex XW System consists of: A high-efficiency XW Inverter/Charger, XW Power Distribution Panel, including both AC & DC breakers, and the XW Solar Charge Controller.

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XW Automatic Generator Start (XW AGS)
The XW AGS is a Xanbus™-enabled device that can automatically activate a generator to provide an XW Series Inverter/Charger with power to recharge depleted batteries or assist with heavy loads. Compatible with popular generators, the XW AGS adds intelligence to power management and eliminates time spent monitoring batteries and inverter loads.

The XW AGS can be customized to suit each user’s preferences. A user can define whether the generator should be activated by low-battery voltage, thermostat operation, or load size on the inverter(s). A quiet-time setting prevents the generator from starting at inconvenient times. LED lights display the status of the XW AGS, while all user-defined settings are programmed through the system control panel (XW SCP).

Interfaces with:
- XW Hybrid Inverter/Charger(s)
- XW Solar Charge Controller(s)
- XW System Control Panel

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XW Solar Charge Controller
Dynamic Maximum Power Point Tracking (MPPT)
- Xanbus™-Network ready
- Convection cooled
- User-friendly interface
- Integrated ground fault protection
- Certified to UL1741 and CSA for utility-interactive applications.

Interfaces with:
- XW Hybrid Inverter/Charger(s)
- XW Power Distribution Panel
- XW Automatic Generator Start

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XW System Control Panel (XW SCP)

The XW SCP is a Xanbus™-enabled device featuring a graphical, backlit LCD screen that displays system configuration and diagnostic information. Large keypad buttons, an intuitive onscreen menu system, and plain text status messages make it easy to configure and operate all devices connected to the Xanbus™ Network. The XW SCP gives a single point of control to setup and monitor an entire system, which may consist of multiple XW Inverter/Chargers, XW Solar Charge Controllers, etc.

Interfaces with:
- XW Hybrid Inverter/Charger(s)
- XW Solar Charge Controller(s)
- XW Automatic Generator Start

Accessories

Xantrex is publicly listed on the Toronto Stock Exchange under the ticker symbol “XTX”.

Xantrex is an ISO9001 : 2000 company and its products are certified to UL, CSA or CE standards.

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