xantrex™

Xantrex™ XW Automatic Generator Start

The Xantrex™ XW Automatic Generator Start (XW AGS) will automatically activate a generator to provide an XW Series Hybrid Inverter/Charger with power to recharge a depleted battery bank or provide additional power for heavy loads. The XW AGS adds intelligence to generator management, thereby eliminating time spent monitoring batteries and inverter loads. It does this by continuously monitoring the battery voltage, state-of-charge, or the inverter charge mode, starting and stopping the generator when the battery needs additional charging. The XW AGS will also start the generator to assist the system's inverter/charger(s) when output power demands are high.

The XW AGS can be customized to suit each user's preferences. The user can define whether the generator should be activated by low-battery voltage, state-of-charge, thermostat operation, or load 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 XW System Control Panel (XW SCP).

Operational Features

▶ Compatibility – the XW AGS connects to other Xanbus™-enabled XW System devices without requiring additional hubs, control cards, or other device-specific control panels

▶ Works with AC or DC generators with either two-wire or three-wire start controls

▶ Configurability – comprehensive customizable triggers based on low-battery voltage, change in charging state, high inverter load, thermostat signals, planned exercise periods, maximum run time, and quiet-time settings

▶ Non-volatile memory – preserves XW AGS settings even if the network power is interrupted or network communication is disrupted

Note: The XW AGS requires an XW System Control Panel (XW SCP) for configuration and monitoring.

Product Features

▶ LED display showing at-a-glance status

▶ 20-contact generator connector and three built-in relays support 13 preset generator configurations

▶ Built-in emergency shutdown

▶ Xanbus™-enabled

Interfaces with:

XW Hybrid Inverter/Chargers, XW Solar Charge Controllers, and XW System Control Panel

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Xantrex is becoming

Schneider Electric

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.

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Electrical Specifications

Nominal input network voltage	15 Vdc
Maximum operating current	200 mA
Communication	Physical layer 2, CAN
Relay contact voltage rating	12 Vdc, 30 Vdc max
Maximum relay contact current	5 Adc
Communication protocol	Xanbus
Maximum cable length	130' (40 m)

Mechanical Specifications

Dimensions (H x W x D)	3.75 x 5.75 x 1.5" (95.5 x 146 x 37 mm)
Weight	0.5 lb (0.225 kg)
Shipping weight	1.70 lb (0.77 kg)
Dimensions (shipping)	10.5 x 8.5 x 2.5" (267 x 216 x 64 mm)
Connectors	Two Xanbus™ RJ45-8 pins
	One 20-contact pluggable connector (Tyco Mate 'n' Lok two connector) - Wiring harness included
Mounting	Wall mount, 4 x #6 screws included
Standard warranty	Five years
Part number	865-1060

Environmental Specifications

Enclosure type	Indoor
Operating temperature range	-4 to 122°F (-20 to 50°C)
Storage temperature	-40 to 185°F (-40 to 85 °C)

Regulatory Approvals

CSA certified to CSA 107.1, and UL 458, FCC Class B and Industry Canada, CE

Optional Accessories

Network cables:

3 feet (0.9 m)	809-0935
25 feet (7.6 m)	809-0940
50 feet (15.2 m)	809-0941
75 feet (22.9 m)	809-0942

Specifications subject to change without notice.

For more information on the XW System please visit www.xantrex.com/xw