

Smart choice for power

XW Automatic Generator Start

Add even more intelligence to your XW System



The Xantrex XW Auto 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, max 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.

Operational 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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Electrical Specifications

Nominal input network voltage	15 Vdc
Maximum operating current	200 mA
Communication physical layer	Two, 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)
Connectors	Two Xanbus™ RJ45-8 pins
	One 20-contact pluggable connector (Tyco Mate 'n' Lok two connector) - Wiring harness included

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)
Mounting	Wall mount, 4 x #6 screws included
Shipping weight	1.70 lb (0.77 kg)
Dimensions (shipping)	10.5 x 8.5 x 2.5" (267 x 216 x 64 mm)
Part Number	856-1060

Optional Accessories

Network cables:	
3 feet (0.9 m)	809-0935
5 feet (1.5 m)	809-0936
7 feet (2.0 m)	809-0937
10 feet (3.0 m)	809-0938
14 feet (4.3 m)	809-0939
25 feet (7.6 m)	809-0940
50 feet (15.2 m)	809-0941
75 feet (22.9 m)	809-0942
Network terminators:	
	Male (two per pack): 809-0901
	Female (two per pack): 809-0905

Regulatory Approvals

Safety	CSA certified to CSA 107.1-01 and UL 458 4th Ed. including the Marine Supplement
EMC	FCC Part 15B Class B Industry Canada, ICES-0003 Class B