



FREEDOM | SEQUENCE

INTELLIGENT POWER MANAGER

IQ FOR YOUR RV

The Xantrex Freedom Sequence is an intelligent energy management system (EMS) that provides automatic power & load management for Recreational Vehicles (RVs) when powered by shore power or generator. Together with the Freedom SW Inverter/Charger, System Control Panel (SCP) and Automatic Generator Start (AGS), the Freedom Sequence provides a complete integrated power management solution for RVs. The Freedom Sequence enables you to monitor and control all the power components from a single, easy to use System Control Panel, rather than multiple, mismatched, control panels. When used with the Freedom SW Inverter/Charger and the Automatic Generator Start, the Freedom Sequence provides automatic generator starting and stopping and automatic inverter assist support for maximum load usage, all behind the scenes. These power components that form a single, cohesive 'Freedom SW Power System' are manufactured by Xantrex and are able to communicate with each other.

The Freedom Sequence automatically manages RV power needs while helping to minimize the nuisance caused by tripping of circuit breakers.

Product Features

- ▶ Manages the complex RV power system from a single remote System Control Panel
- ▶ Smooth integration with the Freedom SW inverter/charger to provide a total power solution
- ▶ Power management for different available sources including 50-amp Service, 30-amp Service, 20-amp Service and Generator
- ▶ Independent modular design allows use with any breaker panel
- ▶ Easy to operate and configure
- ▶ Automatic inverter assist mode to provide additional power to support high peak power demands
- ▶ Automatically sheds and re-engages loads to avoid the nuisance circuit breaker tripping
- ▶ 4 AC and 4 DC relays for wider options on load shedding
- ▶ Automatic detection of 120/240 Vac split phase AC source
- ▶ Real time independent monitoring of AC loads
- ▶ Quick programming of custom OEM configuration
- ▶ Quick-connect AC terminals for fast and easy AC wiring (no strain relief required)

NEW



**Certified to
UL916**



This product has undergone rigorous testing under extreme thermal & mechanical conditions

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FREEDOM SEQUENCE - INTELLIGENT POWER MANAGER

Specifications

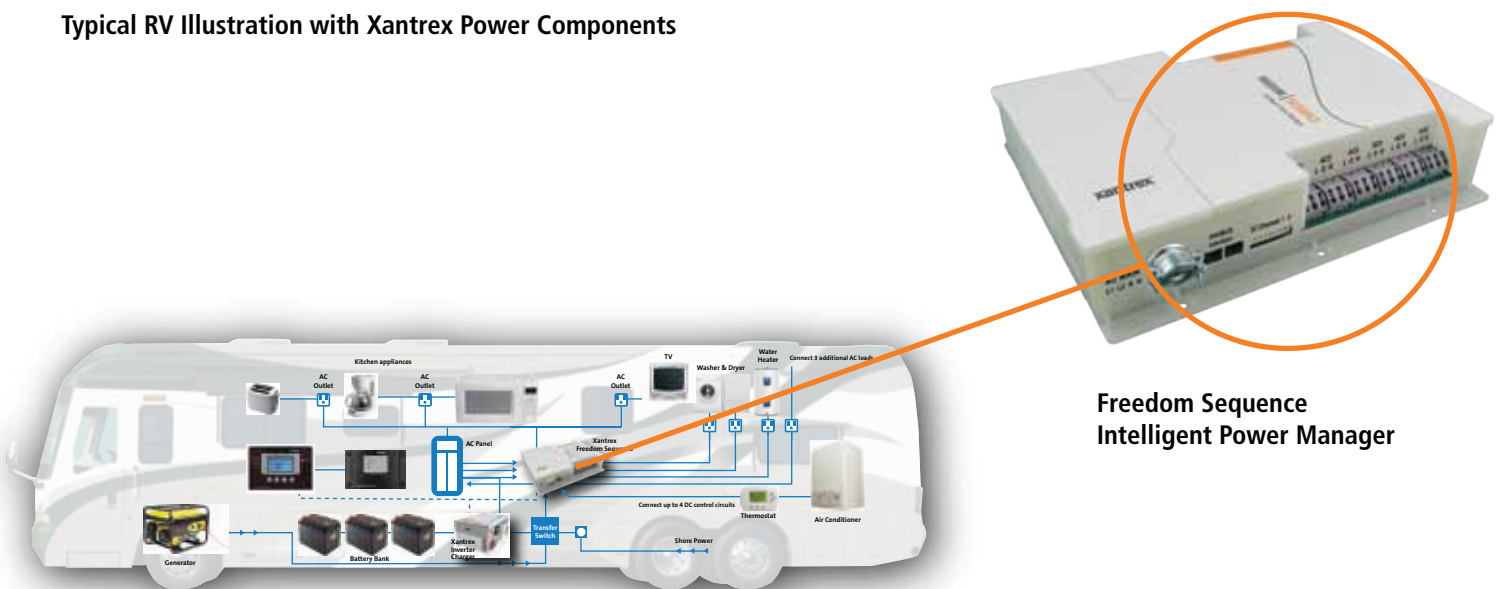
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|--|--------------------------------|
| Operating Temperature Range | -20°C to 60°C |
| Shedding for Split phase/Two phase input | Up to 50A/each line |
| Load Shedding for Single phase input | Up to 50A total |
| Input Voltage, Current measurement | Yes |
| Number of AC Circuits | 4 |
| Number of DC Circuits | 4 |
| Branch Circuit current monitoring | Yes |
| Type of AC Circuit connectors | Fast connect |
| Type of DC Circuit connectors | 16 position wire harness |
| AC Relays | 250 Vac, 15A Form B SPST, SPST |
| DC Relays | 30 Vdc, 10A Class 2 SPDT |
| Max. Voltage, L N | 140 Vac |
| Operating Frequency | 40 to 75Hz |
| DC Input Voltage rating | 12/24V systems |
| Compatible System Control Panel (SCP) | 809 0921 |
| Compatible Automatic Generator Start (AGS) | 809 0915 |
| Installation environment | Indoor, Out of direct Weather |
| Regulatory compliance | UL 916, UL 458, FCC class B |
| Dimensions (approx) | 10" x 14" x 2.5" |
| Weight (approx) | 1 KG |
| Warranty | 2 year |
| Part number | 809-0913 |

Optional Accessories

| | |
|--|---|
| Compatible Inverter/Chargers | Freedom SW Part# 2012, 3012, 2024*, 3024* |
| Compatible System Control Panel (SCP) | Part# 809-0921 |
| Compatible Automatic Generator Start (AGS) | Part# 809-0915 |
| 25' network cable for system control panel | Part# 809-0940 |
| 75' network cable for system control panel | Part# 809-0942 |

Note: Specifications subject to change without notice. * Freedom SW 24V inverter/chargers available mid 2012

Typical RV Illustration with Xantrex Power Components



**Freedom Sequence
Intelligent Power Manager**