



## 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

#### Xantrex Technology Inc.

3700 Gilmore Way  
Burnaby, British Columbia  
Canada V5G 4M1  
800 670 0707 Toll Free  
604 420 1591 Fax

541 Roske Drive, Suite A  
Elkhart, Indiana  
USA 46516  
800 446 6180 Toll Free  
574 294 5989 Fax

## FREEDOM SEQUENCE - INTELLIGENT POWER MANAGER

### Specifications

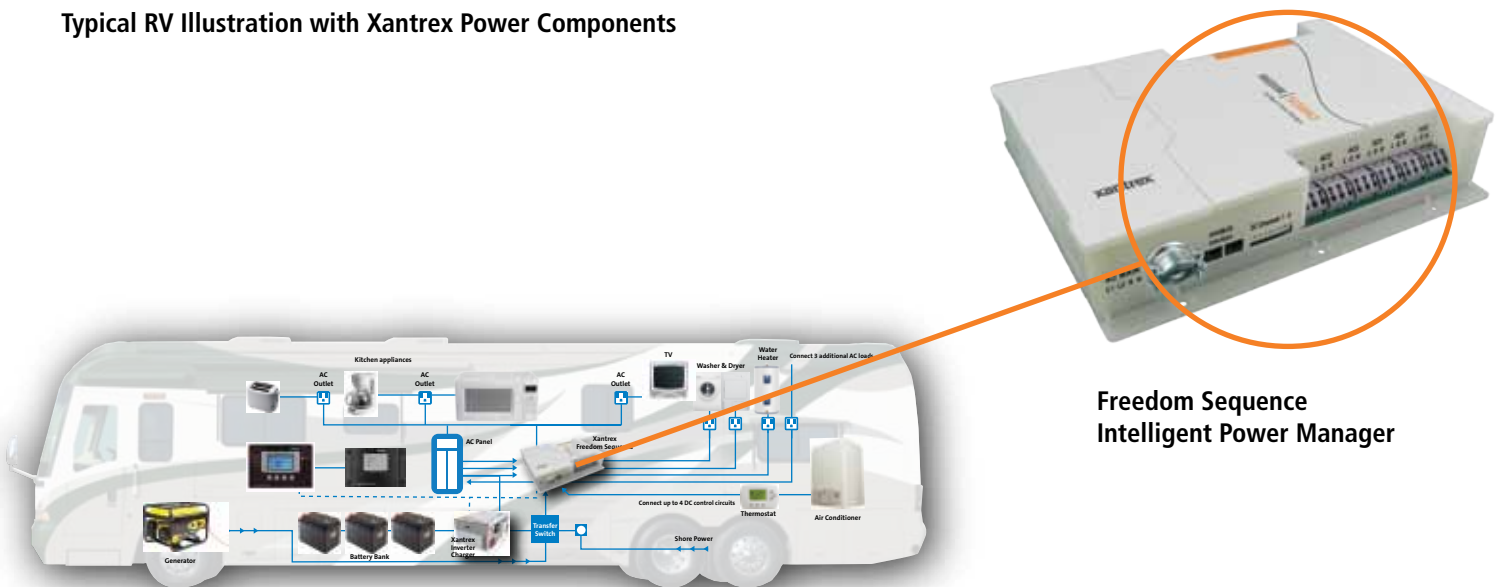
Operating Temperature Range	-20°C to 60°C
Shedding for Split phase/Two phase input	Up to 50A/each line
Load Shedding for Single phase input	Up to 50A total
Input Voltage, Current measurement	Yes
Number of AC Circuits	4
Number of DC Circuits	4
Branch Circuit current monitoring	Yes
Type of AC Circuit connectors	Fast connect
Type of DC Circuit connectors	16 position wire harness
AC Relays	250 Vac, 15A Form B SPST, SPDT
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**