

Inverter/Charger Controller and Single Battery Bank Monitor



Integrated Battery Monitor and Inverter/Charger Control in a Single Panel

The Link 1000 is an instrumentation and control panel designed for use with the Xantrex Freedom series inverter/charger and a single battery bank. It reads like a fuel gauge for batteries – displaying battery state-of-charge at a glance. Inverter and charger functions are independently controlled with the touch of a keypad.

Product Features

- ▶ Digital numeric display automatically compensates for ambient conditions and selectively shows: DC volts and amps, battery amp hours consumed, time remaining to full discharge, fault conditions
- ▶ Multi-colored LED displays: approximate battery state of charge, AC input
- ▶ Push button control of power sharing, equalizing, battery set-up, independent inverter and charger on/off controls
- ▶ Second sense lead for voltage sensing on an additional battery bank
- ▶ Power Share and Idle Mode are easily set from the panel
- ▶ Compatible with 12 or 24 volt systems
- ▶ Includes precision DC shunt
- ▶ Easy to install
- ▶ One year warranty

Programmable Advanced Functions

- ▶ User programmable adjustments of the Freedom Inverter/Charger directly from the front panel
- ▶ Can be set for four different battery types including wet, gel and AGM
- ▶ Data is used to recall key information about the battery bank: charge efficiency, deepest discharge, average discharge, and other data

Xantrex Technology Inc.

Headquarters
8999 Nelson Way
Burnaby, British Columbia
Canada V5A 4B5
800 670 0707 Toll Free
604 420 1591 Fax

5916 195th Street NE
Arlington, Washington
USA 98223
800 446 6180 Toll Free
360 925 5144 Fax

Inverter/Charger Controller and Single Battery Bank Monitor

Electrical Specifications

Voltage Measurement		
Standard model auto range		0-19.90 VDC (0.05 V resolution)
		0.0-50.0 VDC (0.1 V resolution)
Amperage Measurement		
+/- 500 amps		0-40 A +/- 0.1 A resolution
		40-500 A +/- 1 A resolution
Amp-Hour Measurement		
Low range		+/- 0-199.9 Ah (0.1 hour resolution)
High range		+/- 200-1,999 Ah (1 hour resolution)
Time Remaining Measurement		
Low range		0 to 199.9 hours (0.1 hour resolution)
High range		0 to 255 hours (1 hour resolution)
Power Requirements		
DC power supply voltage		8-40 VDC
Power consumption		50-170 mA (display auto dims with ambient light)
		25 mA (bar graph display @ 12 VDC)
Shunt Type		
Shunt		500 A / 50 mV (included)
Accuracy		
Voltage		+/- 0.6% of reading + 1 least count of resolution
Amperage		+/- 0.8% of reading + 1 least count of resolution
Amp-hours		Ah Error - time of measurement x current error

General Specifications

Dimensions (HxWxD)	3.0 x 4.75 x 1.1" (75.5 x 120 x 27.3 mm)
Weight (not including shunt)	4.6 oz (130.4 g)
Warranty	One year
Part number	84-2019-02

Note: Specifications subject to change without notice.