



\* Product not exactly as shown

## Compact Inverter/Chargers to Power The Comforts of Home On Your RV or Truck

With modified sine wave output, Freedom HW 1000 Inverter/Charger is designed to run entertainment systems and small appliances while charging and providing DC power for battery banks in smaller RV's, and trucks. The Freedom HW Inverter/Charger is the smallest, lightest, and least expensive model in the Xantrex lineup.

The Freedom HW is available with 1000 watts and 55-amp charger. The Freedom HW is designed for demanding RV and commercial conditions. Temperature-controlled multistage charging ensures that your batteries are recharged safely and efficiently. It includes a 30-amp automatic transfer switch and a detachable digital remote control panel display that provides precise system information and can be mounted wherever you require the information.

### Product Features

- ▶ Designed to power demanding loads such as microwave ovens, TVs, DVD players, small appliances and other electronic equipment
- ▶ Removable digital display to provide system status
- ▶ Automatic three-stage battery charger
- ▶ Designed to be hardwired using a terminal strip
- ▶ Built-in 30-amp relay to automatically transfer between inverter power and incoming AC utility power

### Protection Features

- ▶ Battery over-voltage and under-voltage protection
- ▶ Over-temperature shutdown
- ▶ Automatic overload protection
- ▶ Short-circuit protection
- ▶ Ground-fault protection
- ▶ ETL listed for use in mobile RV and commercial applications

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**Freedom HW 1000 Inverter/Charger****Electrical Specifications - Inverter**

Models	HW 1000
Output power (continuous)	1000 W
Surge power	2000 W
Output frequency regulation	60 Hz
Inverter voltage regulation	115 +/-10 Vrms
Output wave form	Modified sine wave
Efficiency (full load)	> 82%
Peak efficiency	> 87%
No-load current draw (idle mode)	< 1 Adc
Off mode current draw (display off)	< 5 mA

**Electrical Specifications - Charger**

Charge rate	55 A
AC input voltage range	95 – 130 Vac
AC transfer relay	30 A
Battery voltage (nominal)	12 Vdc
Battery voltage range	10.5 – 15.5 Vdc
Low battery cut-out	10.5 Vdc
AC input (max. charge)	5 Aac
Default bulk charge voltage setting	14.2 Vdc
Default float charge voltage setting	13.5 Vdc
Equalize charge voltage (wet cell only)	N/A
Battery charge outputs	One
Charge control	Three-stage
Battery type settings	Flooded / Gel / AGM / Fixed 13.5 Vdc
Equalization	No
Internal temperature-sensitive charging	Yes

**General Specifications**

Optimal operating temperature range	32°F to 104°F (0°C to 40°C)
Optional remotes	Detachable display
Unit weight	10 lb (4.5 kg)
Unit dimensions (H x W x L)	4.2 x 9.5 x 15.5" (106 x 241 x 393 mm)
Warranty	One year
Part number	806-1055

**Regulatory & Environmental Compliance**

Certified to CSA Standard C22.2 No. 107.1 and UL458