

## 1000 W Modified Sine Wave



### Specifically Designed and Rigorously Tested for Heavy Duty Trucks

A clean and maintenance-free alternative to a generator, the Xantrex Weatherproof Inverter Charger 1012 for Heavy Duty Trucks (HDT 1012) incorporates an industrial grade power inverter that transforms battery power (12 VDC) into 1000 watts of standard household power (120 VAC) so you can operate standard household appliances, electronics and tools from your truck's battery system. Its built-in 50 amp battery charger quickly recharges batteries to full capacity in three automatic stages when your vehicle is connected to shorepower. While the batteries are charging, the system seamlessly feeds shorepower to any AC loads connected to the unit.

Compact and rugged, the inverter/charger is mounted externally either in the truck's battery compartment or on the frame near the batteries, freeing up valuable interior storage space. The system is 100% weatherproof, making it a trouble-free solution for all kinds of conditions on the open road.

### Product Features

- ▶ 1000 watt continuous output with 3000 watt surge
- ▶ 50-amp automatic 3-stage battery charger
- ▶ Temperature compensated charging provides optimal care of flooded lead-acid truck batteries
- ▶ Built-in 20-amp transfer switch automatically transfers between inverter power and incoming AC power
- ▶ Externally mounted
- ▶ Weatherproof design
- ▶ Rigorously tested for Heavy Duty Truck electrical, vibration, emissions and environmental requirements
- ▶ Similar in size to a Group 31 battery
- ▶ Remote switch control
- ▶ Includes battery temperature sensor
- ▶ One year warranty

### Protection Features

- ▶ Automatic over-temperature and over-current shutdown
- ▶ Intelligent low voltage cut-out based on 11.8 VDC threshold specifically for truck batteries

### Options

- ▶ DC cable kit
- ▶ Mounting bracket and DC cable kit
- ▶ Installation kit - switch, AC cables

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## Modified Sine Wave Inverter/Charger

## Electrical Specifications - Inverter

Output power (continuous)	1000 W
Maximum power (surge)	3000 W (36 amps peak)
Output frequency regulation	60 +/- 0.1 Hz
Inverter voltage regulation	108 to 125 VAC (full range at 25°C)
Battery voltage range	11.8 -15.5 VDC
Low battery cut-out	11.8 VDC (heavy loads); 12.3 VDC (light loads)
Output wave form	Modified sine wave
Efficiency	90%
Peak efficiency	93%
No load current draw (idle mode)	1.1 A DC
AC transfer switch	20 A

## Electrical Specifications - Charger

Charge rate	50 A DC
AC input voltage range	100-130 VAC
Battery voltage (nominal)	12 VDC
AC input (max. charge mode)	13 A AC RMS
Absorption charge voltage	14.3 +/- 0.3 VDC
Float charge voltage	13.4 +/- 0.3 VDC
Battery charge outputs	1
Charge control	3-stage
Battery type settings	Flooded
Equalization	No
Temperature sensitive charging	Yes

## General Specifications

Optimal operating temperature range	-40°C to 25°C (-40°F to 77°F) Charger output de-rated above 30°C
Controls	Remote switch
Dimensions (H X W X L)	7.9 X 11.5 X 13.2" (201 x 292 x 335 mm)
Mounting	Externally mounted. Custom bracket available - see below
Weight	30 lb (13.6 kg)
Warranty	One year
Part numbers	805-1005 (Inverter)
	808-0795 (DC cable kit)
	808-0796 (Mounting bracket and DC cable kit)
	808-0797 (Installation kit - switch, AC cables)

## Regulatory Approvals

UL and cUL listed to 458 standard

Note: Specifications subject to change without notice.