

## 12 VDC to 230 VAC /50 Hz Power Inverter



### Provides 500 watts of portable AC power from the battery in your vehicle

Designed to operate many household electrical products and light commercial applications, the Xantrex 500 is an affordable, mid-range power inverter. It converts 12 volts of DC battery power into 230 volts AC power and is ideal for running 69 mm (27") TVs, 2-amp power tools and work lights.

The Xantrex Inverter 500 can be used instead of a generator for low power or intermittent loads. Intelligent design makes it light, durable, and easy to install.

### Product Features

- ▶ Powers AC products up to 500 watts
- ▶ 1000 watt surge capacity for starting demanding loads
- ▶ Available in three AC outlet configurations: Schuko, UK and AUS/NZ
- ▶ Regulated output protects sensitive equipment
- ▶ Compact size for convenient use and storage
- ▶ Auto shutdown prevents total battery discharge
- ▶ Mounting brackets for convenient installation
- ▶ Two year warranty

### Protection Features

- ▶ Over temperature shutdown
- ▶ Overload shutdown
- ▶ Low voltage shutdown (at 10.0 VDC)
- ▶ Over voltage shutdown (at 15.0 VDC)
- ▶ Low voltage alarm (at 10.7 VDC)
- ▶ Short circuit protection
- ▶ Battery reverse polarity (fuse protected)
- ▶ LED indicator confirms fault condition

### Xantrex Technology Inc.

Headquarters  
8999 Nelson Way  
Burnaby, British Columbia  
Canada V5A 4B5  
800 670 0707 Toll Free  
604 422 8595 Phone  
604 420 1591 Fax

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

## 12 VDC to 230 VAC /50 Hz Power Inverter

### Electrical Specifications

Output power (continuous)	500 W
Surge capacity (peak)	1000 W
Output voltage	230 VAC +/-5%
Output frequency	50 +/-3Hz
Output waveform	Modified sine wave
Peak efficiency	90%
No load current draw	<0.3 A
Input voltage range	10 - 15 VDC

### General Specifications

Operating temp.range	0°C – 40°C (32°F – 104°F)
AC receptacle	Schuko, UK and AUS/NZ
Display	Power ON and Fault LEDs
Battery connection	Cable clamps and hardwire
Mounting bracket	Built-in
Internal fuse	2 x 40 A, not user replaceable
Dimensions (HxWxL)	66 x 112 x 241 mm (2.6 x 4.4 x 9.5")
Weight	1.2 kg (2.6 lb)
Warranty	Two years
Part number	851-0505 (AUS/NZ)
	851-0506 (UK)
	851-0707 (Schuko)

### Regulatory Approvals

CE, TUV/Type approved, e -mark

**Note:**

Specifications are based on a 12-volt DC nominal input. When operating products that require high surge or continuous power over 150 watts, we recommend hard wiring the inverter directly to the battery. Specifications subject to change without notice.

### Continuous Operating Times for Popular Products

Examples	Power in Watts	BCI Group Battery Size (Amp Hours)			
		24 NF (75)	27 NF (100)	8 D (200)	Dual 8D's (400)
Laptop computer	75	9 hours	13 hours	26 hours	52 hours
48 cm (19") TV	100	6	10	20	40
Desktop computer	200*	3	4.5	10	20
Worklights	300*	2	2.8	6	12
Small power drill	400	1.4	2	4.5	10
Portable vacuum	500	1	1.4	3.6	7.6