

# XPower Inverters

## 12 VDC to 230 VDC /50 Hz Power Inverters



XPower Inverter 150



XPower Inverter 300



XPower Inverter 500

### Portable AC power from the battery in your vehicle

Ideal for powering recreational, mobile office equipment and other electronic appliances, XPower Inverters convert 12 volts of DC battery power in your vehicle to 230 volts of AC power. Available in a range of sizes, the inverters can power a variety of electronic products including TVs, VCRs, fax machines, laptop computers, camcorders, stereos, small power tools and work lights.

Choosing the right size of inverter for a particular application is important. For example, the XPower Inverter 150 can run a laptop for approximately 9 hours from a 75-amp hour battery; the XPower 300 can run a 49 cm TV for approximately 6 hours from a 75-amp hour battery. The exact run time depends on the amount of power being drawn by the application and the size and condition of the battery. The XPower Inverter 500 can be used instead of a generator for low power or intermittent loads.

#### Product Features

- ▶ Available in 150, 300 or 500 watt models
- ▶ Offer 300, 600 or 1000 watt surge capacity
- ▶ 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 (XPower Inverter 300 and 500)

#### 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
- ▶ LED indicator indicates fault connection

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### Electrical Specifications

Models	150	300	500
Output power (continuous)	150 W	300 W	500 W
Surge capacity (peak)	300 W	600 W	1000 W
Output voltage	230 VAC +/- 5%	230 VAC +/- 5%	230 VAC +/- 5%
Output frequency	50 +/- 3Hz	50 +/- 3Hz	50 +/- 3Hz
Output waveform	Modified sine wave	Modified sine wave	Modified sine wave
Peak efficiency	90%	90%	90%
No load current draw	<0.18 A	<0.2 A	<0.3 A
Input voltage range	10 – 15 VDC	10 – 15 VDC	10 – 15 VDC

### General Specifications

Operating temperature range	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
AC receptacle	Schuko, UK and AUS/NZ	Schuko, UK and AUS/NZ	Schuko, UK and AUS/NZ
Display	Power ON and Fault LEDs	Power ON and Fault LEDs	Power ON and Fault LEDs
Battery connection	DC lighter plug	DC lighter plug or cable clamps	Cable clamps and hardwire
Mounting bracket	None	Built-in	Built-in
Internal DC fuse	Not user replaceable	Not user replaceable	Not user replaceable
Dimensions (HxWxL)	63 x 104 x 157 mm (2.5 x 4.1 x 6.2")	66 x 104 x 200 mm (2.6 x 4.1 x 7.9")	66 x 112 x 241 mm (2.6 x 4.4 x 9.5")
Weight	0.65 kg (1.54 lb)	0.79 kg (1.74 lb)	1.2 kg (2.6 lb)
Warranty	Two years	Two years	Two years
Part Number	851-0160 (AUS/NZ) 851-0161 (UK) 851-0162 (Schuko)	851-0310 (AUS/NZ) 851-0311 (UK) 851-0312 (Schuko)	851-0510 (AUS/NZ) 851-0511 (UK) 851-0512 (Schuko)

### Regulatory Approvals

XPower Inverter 150	CE, TUV/GS, e-mark
XPower Inverter 300/500	CE, TUV/Type approved, e-mark

Note 1: Specifications subject to change without notice.

Note 2: Specifications are based on as 12-volt DC nominal input.

Note 3: When operating products that require high surge or continuous power over 150 watts with the XPower Inverter 300 or 500, we recommend hard wiring the inverter directly to the battery.

### 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)
33 cm (13") TV	50	14 hours	18 hours	42 hours	90 hours
Laptop computer	75	9	13	26	52
48 cm (19") TV	100	6	10	20	40
Desktop computer	200*	3	4.5	10	20
Work lights	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