

ePOWER

POWER INVERTERS

 **Enerdrive**
DRIVING YOUR ENERGY NEEDS



The Enerdrive ePOWER 300W, 400W, 500W, 1000W & 2000W power inverters convert 12V battery power into AC household power, allowing you to run loads up to 2000 watts*.

With ePOWER's state of the art, easy to use design, these modified sine wave or true sine wave inverters will offer you reliable service for providing AC power and 5V USB* power for your home, boat, caravan, 4WD or commercial vehicle. The Enerdrive ePOWER Inverter can run many AC powered appliances when you need AC power anywhere. The 5V USB* power (*available on 400W, 1000W and 2000W true sine wave models) can charge many USB powered devices.

FEATURES

- ▶ Compact 300W and 500W modified sine wave inverters or 400W, 1000W and 2000W true sine wave inverter models that easily converts 12 volt (vehicle) power to 230 volt (household) power
- ▶ Australian GPO outlet/s
- ▶ Audio alarm (all models) and warning/error codes (1000W and 2000W models) to alert user to check inverter condition before unit shutdown
- ▶ Automatic shutdown protects overload, over temperature and low/high battery conditions
- ▶ High surge capacity for products that require more power to start (2 x constant)
- ▶ High efficiency conversion of battery power to AC power
- ▶ Mounting brackets for permanent installation
- ▶ Heavy duty DC battery stud connectors
- ▶ 400W, 1000W and 2000W models include a 5V USB port



400W



1000W



2000W



300W



500W

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MODIFIED SINE WAVE INVERTERS

The difference between true sine wave and modified sine wave inverters

The biggest choice in power inverters is their output waveform. In today's inverter systems which simulate mains power electronically, there are two types of AC power inverters available; modified sine wave or pure sine wave. The differences between these types of inverters are subtle, but significant in the way that they operate certain types of loads.

Modified Sine wave Inverters:



These units are adequate to power most household appliances and power tools. Generally being less expensive, these units can tend to present certain compromises and incompatibility with some of your loads. Some examples of incompatibility are:

- ▶ Microwave ovens
- ▶ Laser Printers
- ▶ Laptop , mobile phone, portable power tools and camcorder
- ▶ Battery packs
- ▶ C-Pap respirator machines
- ▶ Test and measure equipment
- ▶ Televisions and computer screens

Enerdrive only supplied Modified Sine Wave Inverters up to 500watts of power.

Pure Sine Wave Inverters:



These inverters are the most sophisticated inverters on the market today. They are designed to precisely replicate and even improve on the quality of electricity supplied by utility companies. There is generally no compatibility issues with any appliance run from a pure sine wave power inverter.



ePOWER 300W & 500W Modified Sine Wave Inverter.

These inverters feature all the safety and protection features you expect in modern power inverters including a user replaceable fuse for reverse polarity. The ePOWER 300W & 500W has an auto overload reset function that allows for the automatic restarting of the inverter following an overload from a high start-up surge device (such as Televisions which may require up to 2 or 3 start up surges from a 300watt inverter). In the event of an overload, the Auto Reset function alleviates the necessity to manually switch it off, then back on.

The ePOWER Modified Sine Wave inverters are a fantastic choice when looking for a simple, low cost power inverter for those occasional times when you might need AC power on the go.

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TRUE SINE WAVE INVERTERS



ePOWER 400W True Sine Wave Inverter.

Power for your portable devices can be a challenge for many; but with an ePOWER 400W True Sine Wave inverter installed you can power all your small portable electronics with ease. It's best practice for laptops, digital camera chargers, portable electronic devices etc, to be run from a True Sine Wave inverter if used for long extended periods; and 400watts of power is the perfect amount required. For a quick charge, simply plug your devices into the onboard USB outlet to charge direct from the inverter without the need for AC leads and adaptors. The ePOWER inverter comes ready with battery cable and clips, the ePOWER 400W can easily be installed or stored for portable use in your boat, caravan or 4wd for those need it now moments.



400W



ePOWER 1000W & 2000W True Sine Wave Inverter.

For when you really need some larger onboard power demands in your application, the ePOWER 1000watt and 2000watt inverters have got you powered for all your basic appliances. These inverters feature standard a remote on / off control switch to allow for hidden installation of your inverter. The remote also allows for the simple ability to switch off the inverter when not required to reduce the stand by current draw that all inverters consume. With easily twice their rated output in surge capacity, you can comfortably start most appliances in your boat, caravan or 4wd. If your appliance's energy demands are high be sure to always jump to the next sized inverter.

Important Note: Due to the high frequency design of the ePOWER 1000W & 2000W inverters; appliances such as large pumps and compressors should NOT be run from these inverters. Should you need to run large compressor driven devices or pumps, please consider our professional range of products.



1000w



2000w



6 Meter Remote On / Off Switch
Included with both 1000W and
2000W Inverter Models

Specifications: ePOWER True Sinewave Series

					
Inverter	ePOWER 300W	ePOWER 500W	ePOWER 400W	ePOWER 1000W	ePOWER 2000W
Part Number	EN20300	EN20500	EN1104S	EN1110S	EN1120S
AC Output Power	300W	500W	400W	1000W	2000W
AC Output Current	1.3A	2.17A	1.74A	4.3A	8.7A
AC Surge Power (Peak)	600W	1000W	800W	2000W	4000W
AC Output Voltage	230 VAC / 50 Hz				
AC Output Waveform	Modified Sine Wave		True Sinewave		
AC Output Socket	1 outlet	1 outlet	1 outlet	1 outlet	2 outlets
Nominal DC Input Voltage	12.5 VDC				
No Load battery draw	<0.2A	<0.3A	< 0.8 A	< 1.2 ADC	< 1.2 ADC
DC Input Voltage operating range	10 - 15VDC		10.5 – 15.5 VDC		
Under Voltage Alarm	11.2 VDC				
Under Voltage Shutdown	10.5 VDC				
Under Voltage Recovery	11.8 VDC				
Over Voltage Shutdown	15.5 VDC				
USB	No	No	5V, 1A	5V, 750 mA	5V, 750 mA
Safety and Environmental					
Conformance	All required Australian Standards				
Agency Markings	RCM				
Operating Temperature	0°C to 40°C				
Storage Temperature	-20°C to 60°C				
Relative Humidity	5-90% noncondensing				
Operating Altitude	Up to 3000 meters above sea level				
					
Display					
Power Indicator	Yes (Green)	Yes (Green)	Yes (Green)	LED Display	
Warning and Fault Indicator	Yes (Red)	Yes (Red)	Yes (Red)	LED Display	
Weights and Dimensions					
Weight	0.79kg	1.2kg	1.73kg	2.9kg	5.5kg
Dimensions (W x L x H)	66 x 104 x 200mm	66 x 112 x 241mm	177 x 200 x 90mm	177 x 325 x 90mm	230 x 416 x 110mm
Warranty	2 Years				

ESTIMATE RUN TIME ON LOAD

Following run time is an estimate based on using a 12V-240AH battery bank for reference (Depth of discharge to 50%). Actual run time may vary.

Load	Consumption	Estimate Run time
Cordless Phone	5W	80 hrs
Clock/Radio	8W	65 hrs
Table Lamp	40W/60W	22 hrs/ 15 hrs
Freezer (8.8 cu. ft.)	80W	12 hrs
20" LCD TV	100W	10.5 hrs
Refrigerator (18 cu. ft.)	120W	8.3 hrs
Microwave (mid-size)	1000W	44 min
Coffee Maker	1200W	35 min
Vacuum	1400W	28 min

ACCESSORIES - INVERTER CONNECTION KITS



35mm Battery Cable Connection Kit with In-Line Fuse & Holder. Suitable for Inverters up to 1200watts.

Part Number: EN1210C



70mm Battery Cable Connection Kit with In-Line Fuse & Holder. Suitable for Inverters up to 2500watts.

Part Number: EN1220C

Dealer: