

# ePOWER

TRUE SINE WAVE POWER INVERTERS



## True Sine Wave Inverters

Enerdrive has state of the art, easy to use AC power inverters designed to be efficient and reliable in harsh Australian conditions.

Our true sine wave inverter range offers reliable service for providing AC power and 5V USB\* power for your motor home, boat, caravan, 4WD or commercial vehicle.

Using the latest power conversion technology, Enerdrive ePOWER inverters deliver clean and energy efficient true sine wave AC power from your DC supply.



## Features

- ▲ Compact 400W, 1000W, 2000W and 2600W true sine wave models that convert 12 volt power to 230 volt power
- ▲ 2000W and 2600W models with AC Transfer & Safety Switch
- ▲ Australian GPO outlet/s
- ▲ Audio alarm and warning / error codes (1000W - 2600W models)
- ▲ Automatic shutdown protects overload, over temperature and low or 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
- ▲ 5V USB port

400W

1000w

2000w

2000W  
WITH SAFETY SWITCH

24v2000w  
WITH SAFETY SWITCH

2600W  
WITH SAFETY SWITCH



**400W**

**1000W**

**2000W**

# ePOWER

## 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 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.



EN11045



EN11105

### 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.



EN11205



## ePOWER True Sine Wave Inverter with AC Transfer Switch & Safety Switch

The ePOWER 2000W Inverter with AC Transfer & Safety Switch is one in a family of affordable, high quality, professional level inverters by Enerdrive. By using the latest power conversion technology, ePOWER inverters deliver clean and energy efficient true sine wave AC power from your DC supply.

This ePOWER Inverter incorporates a 16A AC Transfer Switch which allows for seamless AC power transfer between Mains/Generator and Inverter. This helps to keep your appliances running with almost no break time on AC transfer and allows for a much simpler installation on-board.

Also included in the unit is a RCD Safety Switch. This switch monitors the flow of electricity through the inverter and detects any problems that may pose a risk to personal safety and switches the output power off within 0.03 of a second.

The ePOWER 2000W is built to operate basic equipment such as power tools, computers, microwave ovens, televisions and other appliances that use up to 2000W of power for operation. All Enerdrive ePOWER Inverters are covered by our extensive 2-Year warranty.

### Features:

- ▲ Seamless 16A AC Internal Transfer Switch
- ▲ AC RCD/Safety Switch with test button
- ▲ Removable LED Remote Control Display Panel
- ▲ Regulated Pure Sine Wave Output
- ▲ Silent Operation
- ▲ Compact Size for Easy Installation
- ▲ USB Port for charging USB devices

## Feed your inverter correctly

For your inverter to perform, you must make sure you feed it correctly.

The right size DC input cables will help do this. Sizing the correct input cables is a critical requirement for maximum performance from your inverter. An inverter operates best if installed less than 1.5 meters from the battery source.

Below is a chart with the correct DC cable size required for the ePOWER inverter range.

Part No	Size	mm <sup>2</sup> ≤ 1.5m
EN1104s	400w	10mm
EN1110s	1000w	35mm
EN1120s	2000w	70mm
EN1120x	2000w	70mm
EN1120x-24v	2000w	50mm
EN1126x	2600w	95mm



EN1120X









EN1120X-24V



EN1126X

Specifications: ePOWER True Sinewave Series

Inverter						
	ePOWER 400W	ePOWER 1000W	ePOWER 2000W	ePOWER 2000W with AC Transfer Switch & Safety Switch	ePOWER 24V 2000W with AC Transfer Switch & Safety Switch	ePOWER 2600W with AC Transfer Switch & Safety Switch
Part Number	EN1104S	EN1110S	EN1120S	EN1120X	EN1120X-24V	EN1126X
AC Output Power	400W	1000W	2000W	2000W	2000W	2600W
AC Output Current	1.74A	4.3A	8.7A	8.7A	8.7A	11.3A
AC Output Voltage	230 Vac / 50 Hz					
AC Output Waveform	True Sinewave (<3% THD)					
AC Output Socket	1 outlet	1 outlet	2 outlets	2 outlets	2 outlets	2 outlets
Nominal DC Input Voltage	12.5 VDC					
No Load battery draw	< 0.8 A	< 1.2 ADC	< 1.2 ADC	< 1.5 ADC		
DC Input Voltage operating range	10.5 – 15.5 VDC			10.5 / 15.5 VDC	21.0 / 31.0 VDC	10.5 / 15.5 VDC
Under Voltage Alarm	11.2 VDC			11.0 / 12.1 VDC	22.0 / 24.2 VDC	11.0 / 12.1 VDC
Under Voltage Shutdown	10.5 VDC			10.5 / 11.8 VDC	21.0 / 23.6 VDC	10.5 / 11.8 VDC
Under Voltage Recovery	11.8 VDC			11.3 / 12.3 VDC	22.6 / 24.6 VDC	11.3 / 12.3 VDC
Over Voltage Shutdown	15.5 VDC			15.5 VDC	31.0 VDC	15.5 VDC
USB	5V, 1A	5V, 750 mA			5V, 750 mA	
<b>AC TRANSFER SWITCH</b>						
Transfer Time	N/A			< 30 ms		
Transfer Relay Rating	N/A			16A (resistive load)		
AC Input socket IEC-C20	N/A			16A max		
AC Output socket IEC-C19	N/A			16A max		
AC Output Front GPO	N/A			10A max		
<b>Safety and Environmental</b>						
Conformance	All required Australian Standards, CE LVD: EN/IEC 62040-1, IEC61558-2-16					
EMI / EMC	N/A			CE EMC: EN/IEC 62040-2 category C1		
Agency Markings				RCM, CE		
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		
<b>Display</b>						
Power Indicator	Yes (Green)	Yes (Green)	Yes (Green)	LED Display		
Warning and Fault Indicator	Yes (Red)	Yes (Red)	Yes (Red)	LED Display		
<b>Weights and Dimensions</b>						
Weight	1.73kg	2.9kg	5.5kg	5.9 kg	5.9 kg	7.0 kg
Dimensions (W x L x H)	177 x 200 x 90mm	177 x 325 x 90mm	230 x 416 x 110mm	435 x 230 x 115 mm		560 x 230 x 115 mm
Warranty	2 years					



## Estimate Run Time On Load

Following run times are estimates for reference, based on using different battery bank sizes. Actual run times may vary.

Estimate run time on different 12V Battery Bank Size						
AC Load	60AH	120AH	180AH	240AH	300AH	
50 W	11 hrs	22 hrs	33 hrs	44 hrs	55 hrs	
100 W	5 hrs	11.5 hrs	17 hrs	23 hrs	29 hrs	
200 W	2.5 hrs	5 hrs	8 hrs	11 hrs	13.5 hrs	
500 W	49 mins	2 hrs	3 hrs	4 hrs	5 hrs	
1000 W	15 mins	49 mins	1.5 hrs	2 hrs	2.5 hrs	
1500 W	8 mins	27 mins	49 mins	1 hrs	1.5 hrs	
2000 W	N.R.	15 mins	34 mins	49 mins	1 hrs	
2600 W	N.R.	11 mins	25 mins	37 mins	49 mins	

**Important: Power Drain from DC Battery Bank.**

Please note that AC transfer models have a power drain of approx 700mA from the battery bank when the Inverter is running in AC By-Pass mode. In order to avoid draining down the battery bank, a battery charger with sufficient power is required to maintain the battery bank voltage.



Part Number: EN1210C  
35mm Battery Cable Connection Kit with In-Line Fuse & Holder. Suitable for Inverters up to 1200watts.



Part Number: EN1220C  
70mm Battery Cable Connection Kit with In-Line Fuse & Holder. Suitable for Inverters up to 2000watts.

**Visit enerdrive.com.au for more information**

ePOWER Inverters are available from your nearest Enerdrive dealer. Find your local dealer by visiting: <http://www.enerdrive.com.au/where-to-buy-enerdrive-products/>



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