





## Inverter Series




### SERIES INVERTER FEATURES


The Selectronic  range of Sine Wave Inverters has in its most basic form the normal Selectronic high standards of quality, reliability and performance all wrapped up in a simple and uncomplicated package.

Available in three models - the **WM1200-12**, (12 Volt unit) and the **WM1000-24 & WM1500-24** (24 Volt units) - that each include superb Selectronic half-hour ratings and surge ratings (see specs below) and standard features such as adjustable demand start, low volts adjust, AC overload & temperature overload protection, status & alarm indicators.

With wall mount or bench mount ability, hard wire facility on all models, main DC breaker and a five year warranty, a Selectronic  Sine Wave Inverter will please the most discerning of all purchasers.

The  inverter also has a built in Serial Port Expansion Interface allowing the addition of a permanent remote Key Pad access or the ability to adjust the inverter settings by either installer or owner via a temporary remote key pad.

#### **Safety & Standards**

The  range is manufactured to Australian Standards AS3100 and AS3108 (for electrical equipment & isolating transformers) and conforms also to the requirements of the Electromagnetic Compatibility framework (C tick) providing low radio interference.

#### **Reliability**

With an accredited Quality Assurance program (ISO 9001) in place and many hours of exhaustive field testing, you know you can rely on a Selectronic inverter. Our warranties, the



best in the power inverter industry, are proof of our confidence.

Incorporated within the **WM** Series is the exclusive Selectronic **THERMAL SHARE TECHNOLOGY (TST)** providing a large reduction of heat stress on all power devices.

This is a major breakthrough in the area of long life and reliability of power inverter design.

## **WM** SERIES INVERTER SPECIFICATIONS

**Selectronic WM Sine Wave Inverters now have the**

- BEST Performance**
- BEST Warranty**
- BEST Value**

**Recent design changes to the range that has previously carried power ratings at 25°C ambient, now provides those exact same ratings at 40°C ambient.**

For instance the WM1000-24, now rated at 1000W @ **40°C** (previously 1000W @ **25°C**), now provides **1200W** @ 25°C - an increase of 200W of power at that ambient temperature - at no extra cost.

The WM1000-24 also has realistic (and honest!) surge ratings and solid efficiency figures of 92.5% peak & 90% **at full load!** (See the specs below for others in the range)

Naturally the warranty reflects the confidence we have in the WM range; **5 YEARS**, the best in the industry.

All this and the prices remain the same. That's value!

<b>ELECTRICAL</b>								
<b>PARAMETER</b>	<b>WM800-12 Discontinued 05/02/2004</b>	<b>WM1000-24 Discontinued 01/04/2005 Updated 05/02/2004</b>		<b>WM1400-12 Updated 05/02/2004</b>		<b>WM1700-24 Updated 05/02/2004</b>		<b>CONDITION</b>
Input voltage	12V	24V		12V		24V		Nominal
Output Power @ 25°C Ambient	800W 1100W 2400W	<b>Was:</b> 1000W 1500W 3000W	<b>Now:</b> 1200W 1700W 3000W	<b>Was:</b> 1200W 1650W 3600W	<b>Now:</b> 1400W 1800W 3600W	<b>Was:</b> 1500W 2250W 4500W	<b>Now:</b> 1700W 2450W 4500W	Max Continuous 1/2 Hour Rating Max Surge
Output Power @ 40°C Ambient	750W 1050W 2400W	900W 1400W 3000W	1000W 1500W 3000W	1100W 1550W 3600W	1200W 1600W 3600W	1400W 2000W 4500W	1500W 2000W 4500W	Max Continuous 1/2 Hour Rating Max Surge
Voltage DC Input Range	10 - 17V	20 - 34V		10 - 17V		20 - 34V		Allowable Range
Input Current, DC Amps	0.05A 0.6A 81A 243A	0.05A 0.5A 45A 140A	0.05A 0.5A 56A 140A	0.05A 0.7A 116A 349A	0.05A 0.7A 136A 349A	0.05A 0.6A 70A 212A	0.05A 0.6A 80A 212A	Stand By Inverter ON - No Load Max Cont @ 25°C Max Surge @ 25°C
Demand Start Sensitivity Response Time	4-16W 1 Second Max							User Adjustable
Low DC Voltage Shutdown	10 - 11.5V	20 - 23V		10 - 11.5V		20 - 23V		User Adjustable
High DC Voltage Shutdown	17V	34V		17V		34V		Fixed Setting
Output Voltage	240V AC +/- 4%							@ Nominal DC Input,

								No Load to Full Load
Output Current, AC Amps	3.3A 10A	4.2A 12.5A	5A 12.5A	5A 15A	5.8A 15A	6.25A 18.75A	7A 18.75A	Max Continuous Max Surge
Efficiency at Full Load	90%		85%		90%			
Output Wave Shape	True Sine Wave							
Output Frequency	50Hz +/- 0.01%							
Total Harmonic Distortion	< 4%							
Power Factor Limitations	Nil							
Input/Output Isolation	1875 V AC							
Memory Retention	Permanent							
Operating Temperature Range	-10°C to +50°C							
Conforms to standards	AS 3100 (wiring), AS 3108, C tick							
<b>MECHANICAL</b>								
Dimensions:	410mm wide 175mm deep 342mm high							Wall Mounted
Weight	13kg	13kg	14kg		14kg			
Weight Packed	16kg	16kg	17kg		17kg			
Input Lead Length	1.5 metres							
Output Wiring Method	Three terminal junction box with conduit knock outs							
Chassis	Powder coated zinc steel (Wedgwood Blue)							
DC Isolation	Single Pole Circuit Breaker (non-automatic)							
Warranty	5 year parts and labour (Conditions apply)							

Through a policy of continued development, specifications or sizes quoted are subject to change without notice. Note: All power ratings are at 1.0 Power Factor.

**WARNING** - All Remote Power System installations must comply with the relevant requirements of your state or national standards. It is imperative that only Registered Electrical Contractors are permitted to install or check any appliance or wiring in your installation.