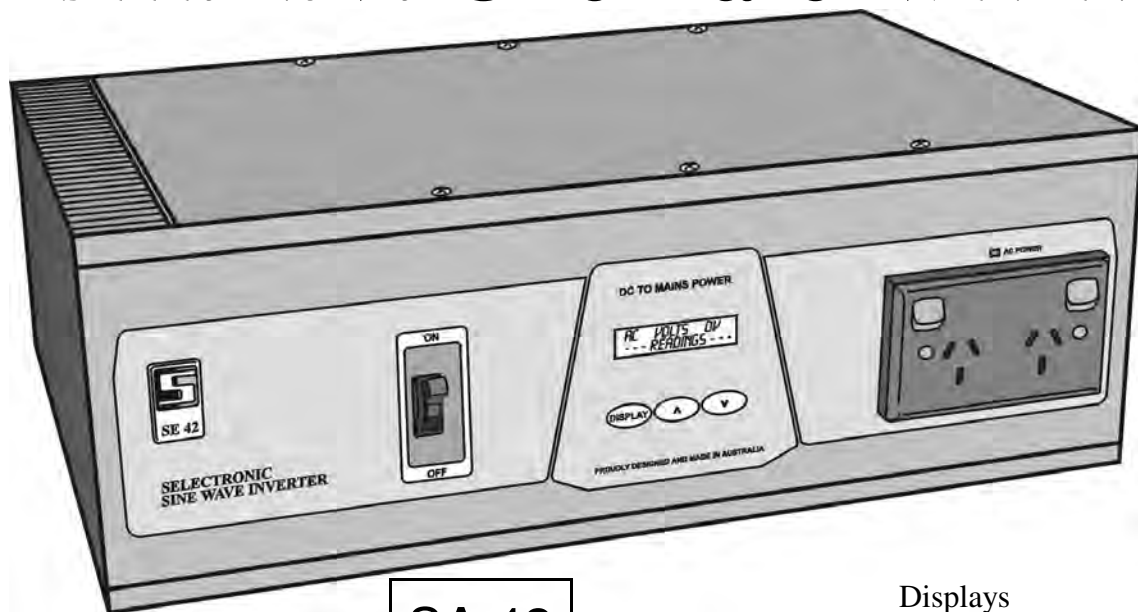


SELECTRONIC Sine Wave INVERTER



SA 42

The Selectronic Sine Wave Inverter is a digitally synthesized true sine wave Inverter designed and manufactured in Australia for Australian Conditions.

The Selectronic Sine Wave Inverter provides a clean, quiet sine wave output with a degree of power and flexibility previously unavailable from a sine wave inverter. From the moment the Liquid Crystal Display bursts into life, you will unleash the power of the most sophisticated and innovative sine wave Inverter to be manufactured in Australia. The sine wave output gives you confidence that your Selectronic Sine Wave Inverter will run appliances easily and efficiently. You will soon forget you are not connected to the mains.

Compatibility

The Selectronic SA Sine Wave Inverter features a display panel allowing you to adjust the important parameters of the inverter whilst providing information about your system. This makes this Inverter compatible with any remote power system.

Display Feature

All important parameters of the Selectronic SA Sine Wave Inverter is adjustable via either the front panel or the optional remote keypad. The display will actively show you inverter status, time & day, AC volts, AC amps, battery volts and monitor all charge and discharge currents (with optional current shunt). The Selectronic SA Sine Wave Inverter can also be configured to control external circuits (eg to pump to a header tank once a week, control security lights or start a generator) with the optional output interface.

Displays

By scrolling through the displays you are able to read the DC battery volts, AC current and Inverter status. The display will also alert you to the cause of any inverter shut down due to high or low DC volts, AC overload and temperature overload. A set of diagnostic readings can also be accessed to assist in remote troubleshooting.

Power

The Selectronic Sine Wave Inverter has high surge power, a generous 30 minute rating, and enough continuous power to run most energy efficient remote power systems 24 hours a day.

Demand Start

In standby mode the Selectronic Sine Wave Inverter will turn on and off with any type of load. Should you need a different sensitivity setting, simply program the on board microprocessor via the front panel to start the smallest load or overcome a phantom load. This feature can be overridden if necessary and will save you valuable battery power.

High & Low DC Voltage Cut Out

The Selectronic Sine Wave Inverter has fully adjustable low voltage cut out and cut in, and high voltage cut out. Also a low voltage disconnect option can be selected to fully protect your batteries.

Safety

Totally protected against thermal overload, current overload and AC short circuit. Input and output are electrically isolated for your safety and MEN compatibility.

Modular Construction

Each section of the Selectronic Sine Wave Inverter is constructed as a removable module which can be quickly replaced minimising 'down time'.



RAINBOW POWER COMPANY LTD

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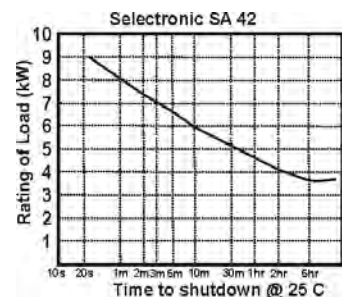
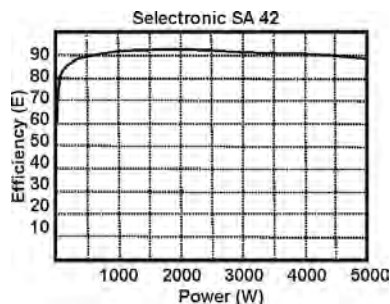
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Electrical Specifications

PARAMETER	SE42	CONDITION
Input Voltage	48V DC	Nominal Voltage
Output Power @ 25°C Ambient	3600W 5500W 10000W	Maximum continuous ½ hour rating
Output Power @ 40°C Ambient	3300W 5200W 10000W	Maximum surge Maximum continuous ½ hour rating Maximum surge
Voltage Input Range	40-68V DC	Range
Low Voltage Shutdown	38-46V DC	Delayed, user adjustable
High Voltage Shutdown	60-68V DC	User adjustable maximum
Input Current	50mA DC 400mA DC 78A DC 138A DC 210A DC	Stand by Inverter on - no load Maximum continuous ½ hour rating
Output Current	15A AC 41A AC	Maximum surge Maximum continuous Maximum surge
Demand Start Sensitivity	3W - 30W	User adjustable
Demand Start Response Time	1 second maximum	User adjustable
Output Voltage Range	220 - 240V AC ±4%	@ Nominal DC Input, No load to full load
Output Frequency	50Hz ±0.01%	
Output Wave Shape	True sine wave	
Total Harmonic Distortion	<4%	
Power Factor Limitations	Nil	
Input/Output Isolation	1875 V AC	
Operating Temperature Range	-10°C to 50°C	
Memory Retention Time	Permanent	

Mechanical Specifications

Size	500mm wide × 180mm high × 370mm	
Weight / Weight Packed	29kg / 32kg	
Input Lead Length	1.5 metres with 10mm mounting lug	
Output Wiring Method	Rear 3 terminal junction box with conduit	
Output Socket	Dual switched 3 pin GPO with neon	
DC Isolation	Single pole circuit breaker	
Warranty	5 Years (conditional)	Parts and Labour



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