

SELECTRONIC SE32 INVERTER



SE32 INVERTER FEATURES

The Selectronic SE32 sine wave inverter comes with many features not normally found in other inverters. An illuminated display on the front panel allows you to tailor your inverter to suit your needs, perform diagnostics, and take vital readings; no compromises needed. As if this is not enough, you also have the ability to upgrade to ENERGY MANAGEMENT Mk II as your needs develop. As you can see, there is now no need to limit the ability of your power system by the inability of your inverter.

No Compromise

All the vital parameters of the SE32 are fully adjustable making it compatible with any remote power system. These parameters are easily changed as required via the front panel which has an illuminated display to tell you what is being adjusted. No need to compromise your power system performance. Of course, all the settings are retained when the inverter is powered down.

Displays

The display on the front panel of the SE32 gives you vital information about your power system. You are able to display INVERTER STATUS, AC VOLTS, AC AMPS and BATTERY VOLTS.

Also the SE32 will alert you to the cause of any inverter shutdown by beeping an alarm and displaying a message containing the reason for the shutdown. As a shutdown occurs, the SE32 stores the cause of the shutdown in an 'Alarm Log' allowing you to view at a later date the cause of up to the last one hundred inverter shutdowns.

The SE32 will shutdown and protect itself if the battery volts are too high or too low, the load on the inverter is too high, or the temperature of the inverter becomes too high.

A set of diagnostic readings can also be accessed to assist in remote troubleshooting.

Safety and Standards

At Selectronic, we are serious about your safety so we have built the SE32 to conform to the Australian standards AS3100 and AS3108 (for electrical equipment and isolating transformers). This means the SE32 can be safely integrated into any normal electrical system. Naturally the SE32 conforms to the requirements of the Electromagnetic Compatibility framework (C tick), which means low radio frequency interference.

Simplicity

Whilst the SE32 is a very sophisticated inverter, it does not require complex programming. In most cases the SE32 will perform perfectly well with the factory settings. Just connect it up, switch on and your power problems have disappeared.

Modular Construction

This important feature of the SE32 allows for quick and easy on site repairs by any authorised person. Inconvenient down time is minimised.

Fully Upgradable

Don't lock yourself into an inverter that cannot expand with your remote power system needs. As your finances allow or as your needs change, the SE32 can be upgraded to Energy Management Mk II.

This system is a fully featured monitoring and control system that allows you to keep track of vital system parameters, perform control functions and allow remote communication. SA32 models which include the EM Mk II fitted ex factory are also available.

Applications

The SE32 is so versatile it can provide the user with a source of independent power for virtually any application. Applications include:

- Home
- Boats
- Caravans
- Motor homes
- Tradesman
- Business applications

Optional Energy Management Mk II

Extra features included in this option over the original Energy Management are:

- Four control outputs.
- Replacement of interface board with covered plug in screw terminals.
- Fully adjustable Solar regulator controller option.
- Automatic zero point setting for percentage charge in battery.



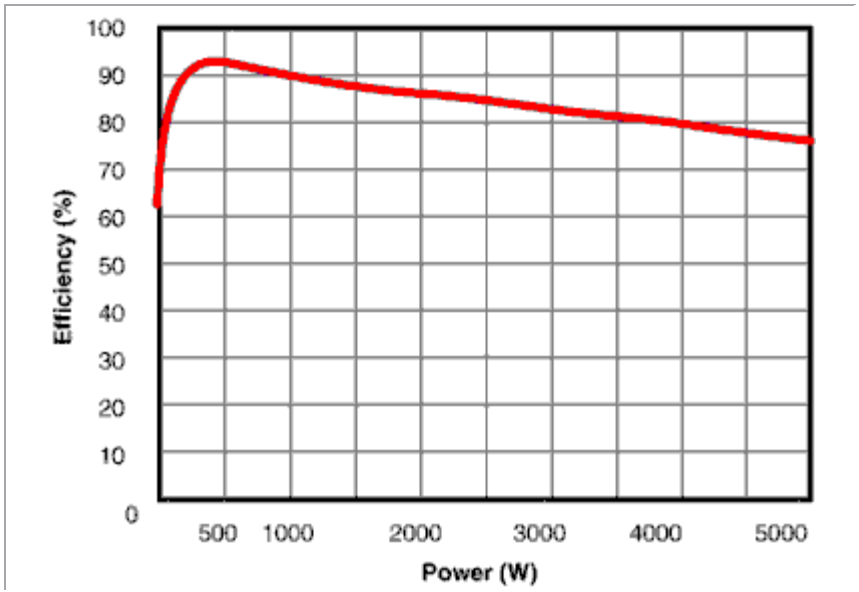
- Automatic battery efficiency compensation.
- Load profile logging.
- Modem interface output for remote control of inverter and system via modem & remote computer.

SELECTRONIC SE32 INVERTER SPECIFICATIONS

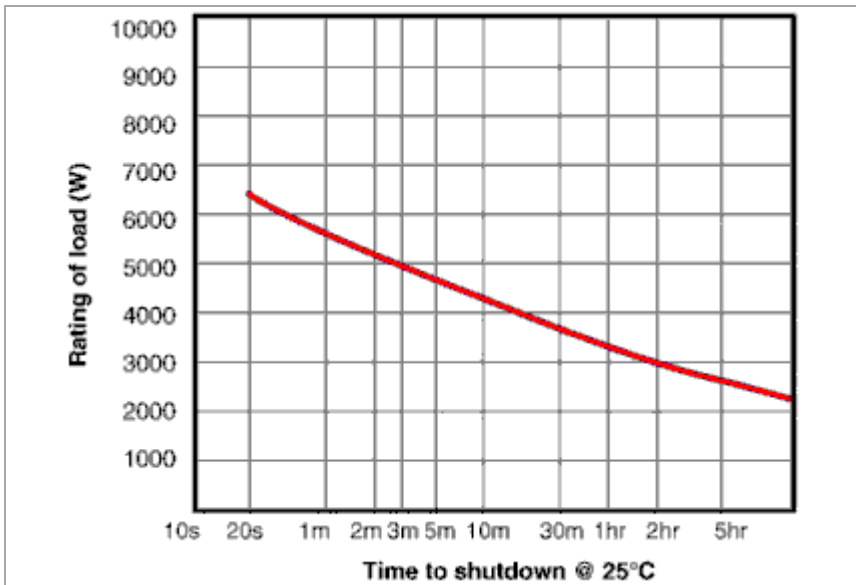
ELECTRICAL

PARAMETER	SE32 Inverter	CONDITION
Output Power @ 25 deg C Ambient	2400W 3700W 7000W	Max Continuous 1/2 Hour Rating Max Surge
Output Power @ 40 deg C Ambient	2200W 3550W 7000W	Max Continuous 1/2 Hour Rating Max Surge
Voltage Input Range	20-34V DC	Range
Input Current	0.06A DC 0.70A DC 120A DC 350A DC	Stand By Inverter ON - No Load Max Continuous Max Surge
Demand Start Sensitivity Response Time	3-30W 1 Second Max	User Adjustable
Low Voltage Shutdown	19 - 23V DC	User Adjustable
High Voltage Shutdown	30 - 34V DC	User Adjustable
Output Voltage	Adjustable from 220 to 240V AC +/- 4%	@ Nominal DC Input, No Load to Full Load
Output Current	10A AC 28A AC	Max Continuous Max Surge
Output Wave Shape Output Frequency Total Harmonic Distortion	True Sine Wave 50Hz +/- 0.01% < 4%	
Power Factor Limitations	Nil	

Efficiency



Time to Shutdown



Input/Output Isolation
Memory Retention
Operating Temperature Range
Conforms to standards

1875 V AC
Permanent
-10 °C to 50 °C
AS3100 (wiring), AS3108, AS1044 (EMC), C tick

MECHANICAL	
Size	500mm wide x 180mm high x 370mm deep
Weight	22kg
Weight Packed	25kg
Input Lead Length	1.5 metres
Output Wiring Method	Rear three terminal junction box with conduit knockouts
Output Socket	Dual switched GPO

Chassis	Powder coated zinc steel (Wedgwood Blue)
DC Isolation	Single Pole Circuit Breaker
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, and apply at 25°C unless otherwise stated.

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.