

## True value for money

As an environmentally aware company, Selectronic are opposed to the “throw away” philosophy adopted by many parts of today’s society. While our product will continue to perform, countless competitors products will simply be thrown into landfill, adding to society’s problems of waste and pollution.

If you care like we do, buy right, buy once.

SE & SA Range	SE22	SA22	SE32	SA32	SA42
<b>Electrical Specifications</b>	( ) = Specifications with 12V input	( ) = specifications with 12V input			
30 minute output power	2100 (1800) watts	2100 (1800) watts	3700 watts	3700 watts	5500 watts
Continuous output power	1600 (1300) watts	1600 (1300) watts	2400 watts	2400 watts	3600 watts
Surge power	5000 (4000) watts	5000 (4000) watts	7000 watts	7000 watts	10,000 watts
Battery voltage	12V or 24V DC	12V or 24V DC	24V DC	24V DC	48V DC
Output	240V AC +/-4% True Sine Wave @50Hz +/-0.01%, <4%Distortion				
Demand start circuitry (adj)	⓪	⓪	⓪	⓪	⓪
Peak efficiency	90% (91%)	90% (91%)	92%	92%	95%
High battery voltage protection	34V DC (17V DC)	34V DC (17V DC)	34V DC	34V DC	34V DC
Low battery voltage protection	10V DC adj	20V DC adj	10V DC adj	20V DC adj	10V DC adj
Energy Management MKII	X	⓪	X	⓪	⓪
Overload protection	⓪	⓪	⓪	⓪	⓪
Auto recovery from overload	⓪	⓪	⓪	⓪	⓪
Operating temp range	-10°C to +50°C				
Isolated output	⓪	⓪	⓪	⓪	⓪
Remote keypad	X	⓪⓪	X	⓪⓪	⓪⓪
Connect up to 3 current shunts	X	⓪⓪	X	⓪⓪	⓪⓪
PWM solar regulator	X	⓪⓪	X	⓪⓪	⓪⓪
Remote link data software	X	⓪⓪	X	⓪⓪	⓪⓪
<b>General Specifications</b>					
Double power point	⓪	⓪	X	X	X
AC hardwire facility	⓪	⓪	⓪	⓪	⓪
Permanent memory retention	⓪	⓪	⓪	⓪	⓪
Weight	20kg		22kg		29kg
Dimensions W x H x D mm	500 x 180 x 370				
Battery lead length	1.5m				
Warranty	5 years parts & labour (conditions apply)				
Australian designed & manufactured	⓪	⓪	⓪	⓪	⓪
Conforms to standards	AS3100 – wiring AS3108, C-Tick				

Standard = ⓪ Optional = ⓪⓪ Not Available = X

# All ratings are @25°C & unity power factor unless stated otherwise. Selectronic reserve the right to change specifications without notice. See our website for full specification. REV2 SEPT 2005

Selectronic have a wealth of experience in providing reliable Inverter solutions to remote and leisure applications.

A 100% Australian owned and operated company, we have been servicing the Australian electronics industry since 1964 and have produced many thousands of inverters to Australia, NZ and throughout Asia.

Selectronic has been the choice of professionals and project managers for years now, together with our ISO9001 quality accreditation for design and manufacturing, you can be sure our products are engineered to last.



Available from

# SE & SA Series Premium Grade Sinewave Inverters

1,300 watts – 3,600 watts



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POWER PERFORMANCE PASSION

## We call it standard, others call it options

The premium range of SE Sine Wave Inverters from Selectronic are no ordinary inverters. No expense has been spared to produce an inverter which is innovative and very easy to use. A host of standard features set these inverters apart from the competition. We describe the quality of the electricity our inverters produce as "True Sine Wave", not "modified" or "quasi" just True Sine Wave. This means that the quality of power produced is clean and free of distortion and with a frequency accuracy of 0.01%, your appliances will not be damaged in any way when you use a Selectronic SE or SA Inverter. The entire SE/SA range features a back lit LCD display. Almost all operating parameters of the inverter are easily adjustable via the LCD, such as output voltage, low and high voltage shutdown points and demand start sensitivity, there are no knobs to adjust or dip switches, just easy front panel programming.

All this plus a great 5 year warranty.

Almost anywhere we go, electricity is required in some form or another. When normal grid electricity is not available or not reliable, Selectronic can provide your electricity requirements with a stylish solution - A True Sine Wave Inverter. All you need is a charged battery or battery bank and our Inverters will give you clean, quiet electricity. Charge your batteries using renewable energy, and you can provide all your power needs in an environmentally responsible manner.

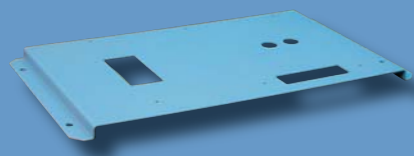


### SE22

The truly unique SE/SA22 can operate from either a 12volt or 24volt battery. This flexible feature can be used when upgrading from a smaller 12volt system to 24volt. In the event of a 24volt battery bank partially failing, the SA22 can continue to provide emergency power by being connected to half of the batteries and operating from 12volt. No programming or internal changes are required to the inverter.

Inverter shown includes optional shelf mounting bracket

### Options for SE & SA models



Optional shelf mounting bracket  
Also available with shock mounts for mobile applications

## Energy Management MKII

This additional monitoring software is the difference between the SE and SA models. Optional current shunts can be connected to the inverter to measure the Amp Hours (Ah) used or produced by your Solar Panels, Inverter, Battery Charger or DC loads such as fridges or pumps. Energy Management MKII will calculate an accurate battery State of Charge for simple understanding of your power system's performance.

Ah for each shunt are stored for Year to Date figures and Last Year figures. Four control outputs are supplied to allow appliances or generators to be controlled. Energy Management MKII gives you total control and flexibility.

### SA Model Options

#### Current Shunts

Up to 3 current shunts can be connected in line to measure the current flowing through the circuit, this is displayed on the inverter as Amps and Ah. If one shunt is used it will measure current in both directions to provide nett current.



#### PWM Solar Regulator

The PWM60 is an economical 60amp solar regulator using highly effective Pulse Width Modulation techniques to achieve the best results from your solar panels. The charge state can be seen on the inverters display or remote keypad.



#### Remote Link Software

Remote Link Software allows you to connect a computer to any SA inverter. This user friendly windows based software lets you see all the collected data such as Ah on each shunt every hour. It is then a simple job to graph your total power profile in an excel spreadsheet. A modem could be used to remotely download information.



#### Remote Keypad

A 15 key remote display can be conveniently placed up to 100metres from the inverter, this will mimic the inverters LCD. Complete system analysis and control is at your fingertips. You can even start and stop a generator or check battery state of charge, all at your fingertips.



### SE Standard Features

- True Sine Wave output – just like home
- Demand start circuit – saves power
- Push button LCD with back light
- DC & AC voltmeter
- AC Current meter
- Fully isolated output for safety
- Huge surge performance
- Industry leading 5 Year warranty
- Australian made
- Designed for long life

### Applications

- Caravans
- Remote homes
- Holiday homes
- Commercial vehicles
- Motorhomes
- Marine

### Energy Management MkII Features

- Measures current & Ah on 3 separate shunts
- Provides battery state of charge
- Allows remote display
- Allows solar regulator
- Allows data download
- Full control of auto start generator
- Turn appliances On & Off
- Log yearly Ah