

Welcome to a world where
electricity has no boundaries...

A world where reliable electricity should not be considered a luxury but as an essential part of life, both today and into the future. Enter the world of Selectronic power systems, based on the remarkable SP PRO series.

Anything is possible, limited only by your imagination or your desire to use technology to make your lifestyle more comfortable. The SP PRO series provides more reliable power whilst also reducing your carbon footprint and increasing cost effectiveness.

From Outback Australia to the Himalayan mountains, let Selectronic power your world.

Independence | Peace of Mind | Reliability | Flexibility

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No matter how far you are from grid electricity an SP PRO system will provide you with a smooth, ultra low distortion power supply. Everyday modern appliances can be operated without fuss; even large pumps and motors can be operated as the SP PRO can provide up to 260% power for short periods thanks to its super strong Toroidal Transformer Technology.

An SP PRO Interactive Inverter Charger will convert electricity stored in batteries to operate your normal electrical appliances, and provide a quality and reliability far exceeding grid electricity.

One of the most intelligent Inverter Chargers in the world, the SP PRO will monitor and manage all aspects of your independent power system and ensure maximum use of any Renewable Energy, whilst maximising battery life and reducing generator running costs. Of course you would expect this kind of performance from a company that has produced battery based inverters since 1981, which are used in some of the harshest and most remote locations on earth.

The Interactive Advantage

Unlike many other Inverter Chargers, the SP PRO will interact in parallel with your generator. Once the generator seizes the load, the SP PRO charges the batteries or supplements the generator's output to run the load. The result is TRUE NO BREAK performance when under SP PRO control and completely safe for all appliances including computers.

100% made in Melbourne Australia, a country so rugged and remote it has provided the ultimate test bed resulting in the ultimate inverter - we know a thing or two about Remote Electricity



SP PRO working with batteries

Batteries can be accurately charged with the adaptive charging algorithms. These adjustable parameters are temperature compensated and ensure batteries are completely and safely charged to 100%, which leads to extended battery life and greater return on your investment. The SP PRO can work with many different battery technologies up to 10,000Ah.



SP PRO working with Solar AC or DC Coupled

The SP PRO is fully adaptable and can be used in AC Coupled or DC Coupled PV systems. Using our highly acclaimed Managed AC Coupled topology the SP PRO controls Selectronic Certified grid tie inverters via a communications link. This provides complete and precise battery charging and data collection by the SP PRO. All data is conveniently displayed by the SP PRO.

SELECTRONIC CERTIFIED

A DC coupled system utilises any Solar Charge controller and will provide an accurate Battery State of Charge reading.



SP PRO working with Hydro or Wind

Some sites are better suited to utilising Windpower or Hydropower. The SP PRO will work with these DC Coupled Energy sources without a problem, whilst continually providing an accurate State Of Charge reading.



Rich history, feature rich product

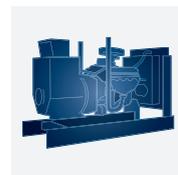
Selectronic has vast experience supplying remote energy to Australia's harsh outback. This has resulted in many clever features within the SP PRO making your independent power experience completely satisfying.

- » Integrated comprehensive Generator Control that starts the Generator before the system or batteries becomes stressed.
- » Emergency start function that will continue to supply power long after other inverters have given up.



SP PRO working with fuel generators

Generally speaking an Off Grid system will always require a backup Petrol, Diesel or Gas fired Generator. Generators have a maintenance cost and finite life, so it is critical that generator running time is kept to a minimum. The Integrated Generator controller can be programmed to allow 4 separate starting points throughout the day or night, making sure you don't waste any renewable energy whilst maximising the life of your batteries. You can also set a quiet time when the generator will not be started



Data and Communications

Free SP LINK software can be used to display over 200 data points, up to 18 months of daily system summaries and up to 4 months data logging. There are a number of wired and wireless options allowing you to view and control your system from anywhere in the world.



Relax ...

... knowing that you are covered by a company that has been around since 1964 and has designed and manufactured battery based inverters since 1981. Up to 8 years warranty gives you peace of mind knowing you will be supported for the life of your system.



- » There is even a simple message that tells you when it's time for preventative maintenance.
- » 3 phase systems using 3 SP PRO inverters. All units share the same battery bank allowing any spare energy to be shared across all phases.
- » The SP PRO's high rated automatic transfer switch will continue to allow a generator to power the load in the unlikely event of a fault.

Your system designer can custom engineer a solution for you, using the batteries of your choice including Lithium Ion and other advanced storage technologies. For a small to medium Off Grid system you can also choose a pre-engineered solution using a Selectronic myGrid kit which contain everything except the Solar Panels. You can take comfort from the knowledge that these kits have been engineered for superior performance with matched components.

When your system incorporates a myGrid solution you will benefit from an additional 12 months warranty on the SP PRO inverter.



Four battery box solution

With a correctly integrated Selectronic system, you can live with total independence and freedom knowing that you have the most reliable power system available. No need to change your lifestyle if you don't want to. If connection to

the electricity grid should one day become an option, then a simple and quick on-site setting change will turn the SP PRO system into a fully featured solar hybrid (grid connected) power system.

	SPMC240-AU	SPMC241-AU	SPMC481-AU	SPMC482-AU	SPMC1201	SPLC1200	SPLC1202
Continuous AC output per phase 24/7	3 kW	4.5 kW	5 kW	7.5 kW	7.5 kW	15 kW	20 kW
30 minute AC output per phase	4.20 kW	6.75 kW	7.0 kW	11.25 kW	11.25 kW	23 kW	30 kW
30 second AC output per phase	7.5 kW	10.5 kW	12 kW	18 kW	18 kW	33 kW	44 kW
Battery Voltage	24 V	24 V	48 V	48 V	120 V	120 V	120 V
Max Generator size per phase*	15 kVA			30 kVA			
Configurable for 2 and 3 phase	Yes, using multiple single phase inverters with multi phase kit						
Intelligent Generator controller	Inbuilt as standard						
Generator transfer	No Break						
Max AC Coupled PV per phase using Selectronic Certified Grid inverters	6 kW	9 kW	10 kW	15 kW	15 kW	30 kW	35 kW
Emergency Restart Function	✓	✓	✓	✓	✓	✓	✓

Environmental

Conformal coating	Military spec conformal coating on all printed circuit boards						
Gold plated connectors	Standard						
Operating temperature range	- 10 °C to 60 °C						
Optional Ethernet adapter	✓	✓	✓	✓	✓	✓	✓
Warranty	Up to 8 years, country and application specific						

* 60kVA per phase with optional external 250A contactor

All this backed up by a peace of mind warranty up to 8 years (country dependant) from one of the world's most experienced battery based inverter companies.

For full specifications see Data Sheet at www.selectronic.com.au or scan this QR code:



Applications

Domestic Homes	Mini Grids	Commercial Resorts
Working Properties	Remote Mining	Micro Grids

Highlights

Output from 3kW-60kW	Battery Voltage 24, 48, 120V DC
Max PV Size 2kW-105kW	Intelligent Generator Control

“electricity, not optional – essential”