



The power to be independent.

The way we think about grid electricity is changing rapidly. Thankfully, so too is the technology available to use electricity in a smarter way, a more appropriate way and a way that you choose.

With a solar system based around the Australian made SP PRO series of hybrid inverters, it is now possible to have complete control over how and when, or even if you use grid electricity.



Grid Independence | Outstanding Reliability | Ultimate Flexibility

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It's all possible with the Great Aussie All-Rounder

Intelligent Uninterrupted Power Supply

Our Solar Hybrid system will give you an uninterrupted power supply meaning you are protected from grid outages. Your system will power on through any interruption to the electricity grid - simple, automatic and undetectable.

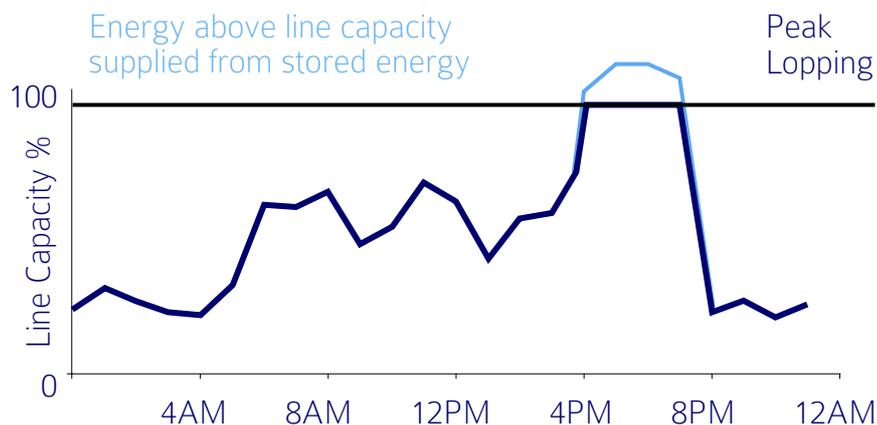
Your solar power will continue to be used by the household and any excess solar is sent to the battery for later use. If you experience an extended outage, an optional generator controller can be installed to control an auto-start generator that will only start when the battery is depleted. Our customers have been reporting that they were not even aware the grid had failed, and thanks to the high peak output power of the SP PRO, all types of loads can be operated during a grid outage, pumps, motors - no problems.

Simple, automatic, undetectable.

- Self consume all solar power
- Minimise export
- Minimise grid use during peak electricity times
- Protection against grid outages
- Optional backup generator for extended grid outages
- Recharge batteries from grid or solar panels

Peak lopping

Electricity charges come in many different forms. In commercial applications it is common for electricity charges to be based on the site's peak demand. Utilising a battery bank with any SP PRO hybrid inverter allows additional load capacity to come from battery storage rather than the electricity grid. When demand reduces, batteries will be recharged ready for the next peak demand event. Peak demand charges can be significantly reduced with this system.



Grid Support

The same system as used for Peak Lopping can be used to support a grid which has insufficient supply capacity. To add additional capacity to a grid, particularly a rural grid, can be very expensive. Additional capacity is easily supplied by incorporating battery storage and an SP PRO inverter. Whenever the AC load demand is above the grid capacity, additional energy comes from the SP PRO and battery bank.



Selectronic has developed the STELLA solar storage calculator to help you understand how adding battery storage to a solar power system will impact your use of grid electricity.

Use STELLA to determine the right Selectronic components for your Solar Hybrid system and to understand the basic performance of that system. Scan this QR code to use STELLA or go to: www.selectronic.com.au/stella/



The Component Approach

Some Hybrid systems come as an all in one system. The Selectronic component approach allows Battery, Battery Inverter and Solar inverter to be mixed and matched. This means that we will not lock you in for choices in the future. You may want to upgrade your batteries to the latest technology in the future, - no problems, or add more Solar, no problems. Selectronic don't just think of now, but we think of the big picture too, so you know you will make the most of your investment.

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. For a system overview on your tablet or mobile device our optional Select.live is available.



Relax, we've got you covered

The Australian made SP PRO intelligent inverter is at the heart of all battery-based Selectronic energy systems, speaking of batteries, SP PRO can work with all of the top batteries available including LG, BYD and Sonnenschein, with more brands constantly being added. Selectronic back this up with a standard warranty that is second to no other battery-based inverter. Up to a 10 year country-dependent warranty is possible, backed by a company that's been around for over 50 years. Now that's something you can trust.



Future Proof

Our SP PRO series is reliable and proven, however new features are continually being added to allow it to stay ahead of your needs. The Selectronic customer commitment continues after the purchase of the product, as all new software updates are "backward compatible", meaning you can get the latest features at any time in the future, free of charge.

To utilise all of the possibilities of an SP PRO system such as export limiting or going off the grid, the SP PRO will need to work with a Selectronic Certified solar inverter. These inverters will use dedicated communications to precisely control the flow of energy from the Solar Panels, this means you have a system that is flexible, accurate and future proof.



When it's Selectronic Certified you have the peace of mind of compatibility and backup from Selectronic. Just imagine when you make that leap to leave the grid and go OFF Grid, your SP PRO system with a Selectronic Certified Solar inverter is ready to take you there.



Rich history, feature rich product

Selectronic has been providing energy solutions since 1964 and has designed and manufactured battery-based inverters since 1981. This has resulted in many clever features within the SP PRO giving you more features as standard 'inside the box' than any other hybrid inverter. Selectronic inverters are used in installations as diverse as Australian suburban grid-connect systems, off-grid cattle stations in the outback, a remote orangutan eco-lodge in Indonesia and a school in the Himalayan Mountains. Let Selectronic power your world.



A Sound Investment

There are many reasons you may choose to purchase a Hybrid Solar system, regardless of the reason you will want it to meet and exceed your expectation.

By having your system designed and installed by a Selectronic Accredited Integrator, you will have the possibility of up to a 10 year warranty in Australia & New Zealand.



SP PRO AU Series Specifications

Model	AC Continuous Output	AC Output Peak	Battery Voltage	Max. AC solar with Selectronic Certified inverter	Max. AC solar with non Selectronic Certified solar inverter	Max continuous backup power	Solar operates during blackout	Internet Monitoring	Optional Generator Backup control	Pass through from Grid #	Power interruption in blackout	Warranty
SPMC240-AU	3.0 kW	5 kW	24 V	15.0 kW	3.0 kW	3.0 kW	Yes	Yes with optional Select.live	Yes	15kW / 240kW per phase	Typically less than 30 milli seconds	Up to 10 years for Aust NZ otherwise 5 years. Conditions apply.
SPMC241-AU	4.5 kW	10.5 kW	24 V	15.0 kW	4.5 kW	4.5 kW			Yes			
SPMC481-AU	5.0 kW	12.5 kW	48 V	15.0 kW	5.0 kW	5.0 kW			Yes			
SPMC482-AU	7.5 kW	18.0 kW	48 V	15.0 kW	7.5 kW	7.5 kW			Yes			
SPMC1201	7.5 kW	18.0 kW	120 V	15.0 kW	7.5 kW	7.5 kW			No			
SPLC1200	15.0 kW	33.0 kW	120 V	30.0 kW	15.0 kW	15.0 kW			No	30kW / 240kW per phase		
SPLC1202	20.0 kW	38.0 kW	120 V	35.0 kW	20.0 kW	20.0 kW			No			

* Country dependent.

~ Output dependent on battery capacity.

240kW per phase with external contactor

This information reflects the current technical state at the time of printing. Subject to technical changes. Errors and omissions excepted.

Figures provided should be used as a guide only. See www.selectronic.com.au for full specifications.

Optional Extras

Select.live Internet Monitoring.

Easily monitor your system from any where in the world.

Generator Backup.

If batteries become depleted during an extended outage, generator will run to supplement the system power. 24V and 48V systems only.

Serial-Ethernet adaptor

Download the full data and settings of the SP PRO via our SP LINK configurator tool. Also allows changes to be made to configuration.

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



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