A Grid Backup inverter that provides smarter energy 24/7

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

The SP PRO series of Inverters forms the basis of the most innovative and sophisticated Grid connected power systems available today. A high return on investment is possible through tariff optimisation and smarter use of renewable energy.

Enter the world of Selectronic SP PRO series.

Reliable electricity should not be considered as a luxury but as an essential part of life today, in our day to day life we need electricity 24/7, not just when grid supply is available.

Renewable energy plus extra benefits.

An SP PRO inverter will convert electricity stored in batteries from Solar, Wind or Hydro (Renewable Energy) to operate your normal electrical appliances.

Renewable electricity not required to keep the batteries charged, is then exported to the electricity grid to effectively run your meter backwards. It is then likely that your electricity retailer will buy this excess from you at a premium rate, this is called a “Feed In Tariff”.

The more electricity you export into the grid, the more money you can make, and the smaller your carbon footprint will be. During night time or times of no solar your AC appliances will be operated directly from the normal electricity grid.

For safety reasons conventional Solar Power Grid systems must turn off when the grid fails, this means your investment of Renewable Energy will be wasted during grid outages. The advanced technology inside the SP PRO allows your electricity supply to seamlessly continue by switching to battery backup mode, allowing you to power your 240 volt loads using the electricity stored in the batteries plus any available Renewable Energy.

Power outages are not uncommon these days; bushfires or floods can cause outages for hours, days or even weeks. With electricity prices increasing rapidly your investment will continue to increase in value.

The complete process is seamless as the SP PRO takes care of everything, including ensuring that your batteries remain fully charged at all times in preparation for the next power outage. Battery charging will first happen using the Renewable Energy, if more charging is needed it will come from the electricity grid when available.

In the event that your batteries have become discharged during a prolonged outage, an optional Generator Controller can start an automatic generator to provide power for the home and charge the batteries. When grid power returns the generator will be turned off automatically.

With an SP PRO you’ll never know when the grid has failed, other than all your neighbours will be in the dark.

- TELEPHONE
  Make calls to assist in an emergency or just continue to operate your business, mobile phones are often jammed during these times.

- LIGHTING
  Have lighting available to keep your family and workplace safe.

- WATER PUMP
  Remove water from flooded areas or fight fires to protect your property and home.

- INTERNET
  Monitor websites such as emergency services, fire brigade and weather.

- REFRIGERATION
  Avoid spoiling medical supplies and other perishable goods.

- RADIO
  Monitor important national radio updates.

- URBAN DOMESTIC HOMES
- RURAL HOMES
- FACTORIES
- SHOPS
- INDUSTRY
### SP PRO SERIES SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>SPMC 240–AU</th>
<th>SPMC 241–AU</th>
<th>SPMC 481–AU</th>
<th>SPMC 482–AU</th>
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<tbody>
<tr>
<td>Maximum Solar possible</td>
<td>3,300 watts</td>
<td>4,900 watts</td>
<td>5,500 watts</td>
<td>8,200 watts</td>
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<tr>
<td>Solar Panel Voltage</td>
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<td>Charge controller dependent</td>
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<tr>
<td>Grid Feed Power</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24/7</td>
<td>3,000 watts</td>
<td>4,500 watts</td>
<td>5,000 watts</td>
<td>7,500 watts</td>
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<tr>
<td>Backup Power</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24/7</td>
<td>3,000 watts</td>
<td>4,500 watts</td>
<td>5,000 watts</td>
<td>7,500 watts</td>
</tr>
<tr>
<td>1 hour</td>
<td>3,200 watts</td>
<td>4,700 watts</td>
<td>5,300 watts</td>
<td>8,000 watts</td>
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<tr>
<td>20 seconds</td>
<td>7,500 watts</td>
<td>10,500 watts</td>
<td>12,000 watts</td>
<td>18,000 watts</td>
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<td>Battery voltage</td>
<td>24 volt</td>
<td>24 volt</td>
<td>48 volt</td>
<td>48 volt</td>
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<td>Battery capacity required</td>
<td></td>
<td></td>
<td>100 Ah – 10,000 Ah</td>
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<tr>
<td>Battery recharge capacity from Grid</td>
<td>125 amps</td>
<td>188 amps</td>
<td>104 amps</td>
<td>156 amps</td>
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<tr>
<td>Time to transfer to backup mode</td>
<td>0 – 0.03 seconds</td>
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<tr>
<td>Maximum transfer from Grid to Loads</td>
<td>63 amps AC, (250 amps AC with optional external contactor)</td>
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<tr>
<td>Peak efficiency</td>
<td>95%</td>
<td>95%</td>
<td>95.5%</td>
<td>96%</td>
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<tr>
<td>Warranty</td>
<td>5 years standard. 7 years when installed by an SP PRO Accredited Installer, 8 years as part of an SP PLUS Energy Kit</td>
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<tr>
<td>Dimensions in mm</td>
<td>345 W x 545 H x 215 D</td>
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<td>Weight</td>
<td>29 kg</td>
<td>34 kg</td>
<td>35 kg</td>
<td>40 kg</td>
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### OTHER RESOURCES AVAILABLE:
- SP PRO with Boats and Motorhome
- SP PRO Off Grid
- SP PRO Grid Support
- SP PRO Grid Backup Kits
- SP PRO Full Specifications
- Why use an SP PRO Accredited Installer
- SP PRO Sizing Program

### OPTIONS:
- Backup generator controller for prolonged outages.
- External contactor 250Amp for larger AC loads
- Extension Enclosure
- AC Coupling

### YOUR RETAILER:

TOLL FREE 1800 006 474  
+61 3 9727 6600  
www.selectronic.com.au

**APPLICATION** Grid Feed Backup. DC Coupled.  
**PRODUCT** SP PRO Inverter Series  
**COUNTRY** Australia | New Zealand