



# Home Battery Scheme South Australia SP PRO application

## Introduction

This document outlines the information required by a system integrator to apply for the approval of a Solar hybrid power system based on the Selectronic SP PRO Multi Mode inverter under the Home Battery Scheme in South Australia.

This document addresses each step of part 1 of the application.

Part 2 of the application has not been included in this document as it deals with the installation requirements.

| Category                              | Selectronic Solution  | Corresponding Document   |
|---------------------------------------|---|--|
| General                               | The Selectronic SP PRO may be used in a single phase, split phase or three phase battery based power system and is compatible with many system components. See the system compatibility document for a list of compatible component combinations. | <a href="#">TN0074_01 Compatible components within a battery based SP PRO system</a>       |
| 1.1 Electrical Interface              | The SP PRO is compatible with both AC or DC couple PV systems.  | <a href="#">TN0074_01 Compatible components within a battery based SP PRO system</a>       |
| 1.2 Physical Communications Interface | When used in combination with the Selectronic Select.live, a SP PRO based system provides connectivity via an Ethernet port.<br>If an ethernet port is not required at time of installation, the Select.live may be retrofitted at a later date.  | <a href="http://www.selectronic.com.au/monitoring/">www.selectronic.com.au/monitoring/</a> |

# SP PRO Interactive Inverter Charger

## Technical Note



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|----------------------------|---|--|
| 1.3 Internet Accessibility | When used in combination with the Selectronic Select.live, they system provides both a hard wired Ethernet port and a Wifi port for connection to the customer's LAN.   | <a href="http://www.selectronic.com.au/monitoring/">www.selectronic.com.au/monitoring/</a> |
| 1.4 Remote Registration    | Data collected by the Selectronic Select.live server is available to authorised parties via the Select.live API. Details of the API are found in the API document.  | <a href="#">IS0002_01 Select.live API</a>  |
| 1.5 Remote Monitoring      | Data is collected by the Selectronic Select.live server at 5 minute intervals and includes: <ul style="list-style-type: none"><li>• Battery SoC</li><li>• Real Power produced by the SP PRO from the battery</li><li>• Reactive power Produced by the SP PRO from the battery.</li><li>• Connection point AC voltage.</li></ul>   | <a href="#">IS0002_01 Select.live API</a>  |
| 1.6 Remote Control         | The Selectronic Select.live API allows control parameters to be written to the SP PRO by authorised parties. These include: <ul style="list-style-type: none"><li>• Battery charge power. Causes to battery to charge at this rate.</li><li>• Battery Discharge Power. Causes the battery to discharge at this rate.</li><li>• Control the 8 DRM modes DRM 0 to DRM 8</li><li>• System export power limit. Sets the maximum export power of the system.</li></ul> | <a href="#">IS0002_01 Select.live API</a>  |
| 1.7 Remote Configuration   | The Selectronic Select.live allows remote connection of the Selectronic SP LINK configuration tool to the SP PRO by authorised parties. SP LINK allows the authorised party to perform configuration changes, firmware updates and advanced monitoring and diagnostic functions.  | <a href="http://www.selectronic.com.au/splink">www.selectronic.com.au/splink</a>           |

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| 1.8 Product Performance and Safety | All models of the SP PRO comply with the requirements of AS/NZS 4777.2-2015 and are listed on the CEC approved inverter list.   | <a href="http://www.selectronic.com.au/sppro/specs.htm">www.selectronic.com.au/sppro/specs.htm</a> |
| 1.9 Security                       | The security of the system is outlined in the Selectronic Select.live document. A number of layers have been provided to prevent intrusion and tampering by unauthorised parties. | <a href="#">IS0002_01 Select.live API</a>  |
| 1.10 Warranty                      | The SP PRO inverter comes with a standard 5 year warranty. This warranty can be extended to a maximum of 10 years if certain conditions are met.                                  | <a href="http://www.selectronic.com.au/warranty">www.selectronic.com.au/warranty</a>               |

For any further assistance please contact Selectronic Australia.