

Introducing the SelectConnect AC Coupling wireless adaptor. A smarter and cost-effective alternative than digging trenches for communications cables while enabling distributed PV on battery storage systems.



The Selectronic Managed AC Coupling concept is a globally unique method of controlling Selectronic Certified (SCERT) Solar inverters for a Voltage and Frequency-stable battery-based power system. Sometimes though it's just not practical to get a communications cable under a concrete path or existing infrastructure, so now you can have a reliable wireless option to communicate from the SP PRO to the SCERT PV inverter.

In addition, the new SelectConnect eliminates the need to daisy chain communications with a “One to Many” option.



[Fronius
Installation Note](#)



[Fimer
Installation Note](#)



- Improved distance up to 500m with standard antenna.
- Optional External antenna provides improved distance with on-site obstacles.
- One SP PRO can transmit to a maximum of five separate SCERTs, all in different locations.
- Operates on 900MHz band for improved penetration of obstacles and reduced need for line of sight.
- Reduced susceptibility to earth loops and lightning damage of communication ports.
- Allows additional Managed AC PV to be added to existing systems without trenching.

Fronius L1 Base Kit
Product No. 005441



Fronius L2 Base Kit
Product No. 005443



Fronius L3 Base Kit
Product No. 005445



Fronius L1
Additional Receiver
Product No. 005442



Fronius L2
Additional Receiver
Product No. 005444



Fronius L3
Additional Receiver
Product No. 005446



Fimer L1 Base Kit
Product No. 005447



Fimer L1
Additional Receiver
Product No. 005454



SelectConnect
External Antenna
(with 5m cable)
Product No. 005453



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Features	Description
Connections Available	RF and Serial
RF Technology	Frequency Hopping Spread Spectrum (FHSS)
Frequency Band	915 – 928 MHz (Australia, US/Canada)
RF Data Rate / Host Data Throughput	76.8 Kbps fixed / 32 Kbps maximum
RF Connector	50 Ohm RPSMA Connector
Serial Interface Connector	DB - 9 Male (RS232), Terminal Block (RS485), Type B USB (USB)
Serial Interface Data Rate	Baud rates from 1200 bps to 115.2 Kbps
Power Consumption Normal / Idle @ 12VDC	400mA / 50mA
Channels	40 channels on 2 channel sets
Supported Network Topologies	Point-to-Point, Point-to-Multipoint
SCERT Solar Inverter Compatibility	Fronius (1 & 3 Phase) / Fimer (1 Phase)
Supply Voltage / Current	7 – 18VDC / 400mA via supplied plug pack
Range, Typical	Up to 500m
Security	One byte System ID. 56-bit DES encryption key
Temperature (Operational)	-40°C to 80°C
Temperature (Storage)	-50°C to +85°C
Humidity (Non-Condensing)	10% to 90%
Dimensions	112 x 69 x 36 mm
Weight	170g
IP Rating	IP30
Warranty	2 Years