



A Selectronic Certified grid-tie inverter is the first step in building a storage system with maximum efficiency and ultimate flexibility using Selectronic's Managed AC Coupling "Smart Link" technology. Even without batteries our Selectronic Certified inverters operate perfectly as a Solar Inverter, but adds the option of becoming a fully managed storage system should the need arise. Existing ABB and Fronius inverters can also be upgraded to become Selectronic Certified. This is a cost effective, future ready solution.

Selectronic Managed AC Coupling technology is unique in today's market place. It allows the SP PRO to take control of the flow of energy from the solar panels in 0.1% steps, to precisely control the solar power system while maintaining a stable 50 Hz frequency. This cannot be achieved with a generic grid-tie inverter.

The Selectronic Certified grid-tie inverter can be considered as an AC MPPT. By creating an AC Bus, an AC coupled system will allow PV energy to be efficiently used directly by the load, with excess PV energy going back through the multi-mode SP PRO inverter to charge batteries or export to the grid. This is a superior solution for Off Grid or Grid connected systems. Up to 5 Selectronic Certified inverters can be controlled by any single SP PRO Manager.

We recommend Selectronic Certified grid-tie inverters for maximum system efficiency and flexibility in the following applications:

- Off-grid AC coupling
- Solar Hybrid AC coupling with Fixed Export Limits
- Solar Hybrid AC coupling where twice the PV to SP PRO rating is required

## SelectSun

**SELECTRONIC CERTIFIED**

The range of Selectronic SelectSun and Selectronic Certified ABB and Fronius solar inverters, provides the most advanced AC Coupling solutions on the market.

A comprehensive range of single phase and 3 phase models can provide battery storage-ready systems from 3kW to 480kW of PV.

- PV arrays of up to 480kW when used with Selectronic Powerchain technology
- SelectSun 3 phase inverters in 20kW and 40kW models, provide 490 - 850V MPPT @ full power @ 40°C
- Can be used on solar systems, with or without an SP PRO and battery storage
- Stable frequency when off-grid, or when grid has failed
- Allows for precise battery charging
- Selectronic Certified inverter data is displayed in SP LINK monitoring software
- Allows for utility-controlled battery discharging (if grid-connected)
- Allows more AC coupled PV in grid-connect systems
- Allows more PV to be connected and available when grid fails
- Export limiting capability when grid-connected with an SP PRO
- Go completely off-grid when AC coupled with an SP PRO
- Allows a backup generator to be connected when AC coupled with an SP PRO
- Up to 10 year warranty\*

\* Conditions apply see website for details

## Manufacturing in Australia Since 1964

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# Managed AC Coupling Specifications

## Selectronic SelectSun 3 Phase

MODEL NUMBER	20.0 kW	40.0 kW
AC OUTPUT	20.0 kW	40.0 kW
No. MPPTS	1	
DC INPUT VOLTAGE MPPT / RANGE	490 - 850 V / 350 - 1000 VDC	
WEIGHT (kg)	38.4	75.6
DIMENSIONS: Packed / Unpacked h x w x d (mm)	535 x 601 x 277	755 x 820 x 300
WARRANTY	5 years + 5 years optional extension - Selectronic T&Cs apply. Australian Installations only	

PV Sizing Tool: [www.refu-design.com](http://www.refu-design.com)

Further specifications available on the Selectronic SelectSun datasheet, available on [www.selectronic.com.au](http://www.selectronic.com.au)

## Selectronic Certified Fronius Symo 3 Phase

MODEL NUMBER	Symo 8.2-3 WLAN-SCERT	Symo 10.0-3 WLAN-SCERT	Symo 12.5-3 WLAN-SCERT	Symo 15.0-3 WLAN-SCERT
AC OUTPUT	8.2 kW	10.0 kW	12.5 kW	15.0 kW
No. MPPTS	2			
DC INPUT VOLTAGE MPPT / RANGE	267 - 800 V / 150 - 1000 VDC	270 - 800 V / 200-1000 VDC	320 - 800 V / 200-1000 VDC	
WEIGHT (kg)	21.9	34.8		43.4
DIMENSIONS: h x w x d (mm)	645 x 431 x 204	725 x 510 x 225		
WARRANTY	Supplied by Fronius, presently 5 + 5 years - Fronius T&Cs apply. Australian Installations only			

PV Sizing Tool: [Fronius Solar Configurator](http://Fronius Solar Configurator)

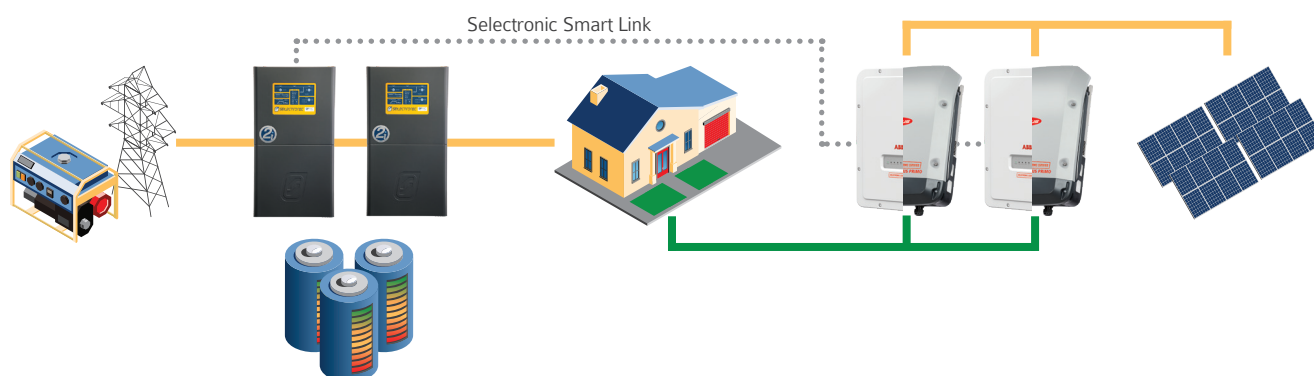
## Selectronic Certified ABB UNO Single Phase\*

MODEL NUMBER	UNO-DM-5.0-PLUS Q-SCERT Now with AS4777 compliant DC Isolator	UNO-DM-6.0-PLUS Q-SCERT Now with AS4777 compliant DC Isolator
AC OUTPUT	5.0 kW	6.0 kW
No. MPPTS	2	
DC INPUT VOLTAGE MPPT / RANGE	170 - 480 V / 120 - 600 VDC	160 - 480 V / 120 - 600 VDC
WEIGHT (kg)	15	20.5
DIMENSIONS: h x w x d (mm)	553 x 418 x 175	418 x 553 x 180
WARRANTY	Supplied by ABB* (FIMER), presently 10 years - ABB T&Cs apply. Australian Installations only	

PV Sizing Tool: [Fimer PVSize](http://Fimer PVSize)

## Selectronic Certified Fronius Primo Single Phase

MODEL NUMBER	Primo 3.0-1 WLAN-SCERT	Primo 4.0-1 WLAN-SCERT	Primo 5.0-1 WLAN-INT SCERT	Primo 6.0-1 WLAN-SCERT	Primo 8.2-1 WLAN-SCERT
AC OUTPUT	3.0 kW	4.0 kW	5.0 kW	6.0 kW	8.2 kW
No. MPPTS	2				
DC INPUT VOLTAGE MPPT / RANGE	200 - 800 V / 80 - 1000 VDC	210 - 800 V / 80 - 1000 VDC	240 - 800 V / 80 - 1000 VDC		270 - 800 V / 80 - 1000 VDC
WEIGHT (kg)	21.5				
DIMENSIONS: h x w x d (mm)	645 x 431 x 204				
WARRANTY	Supplied by Fronius, presently 5 + 5 years - Fronius T&Cs apply. Australian Installations only				



Selectronic can also offer a Selectronic Certified upgrade to standard ABB and Fronius inverters already installed. Contact us for details on this great service.

\*Please note that the FIMER Group completed the acquisition of the ABB solar division in March 2020. All ABB inverters are now manufactured under a trade license agreement with FIMER Group and some inverters may state this on inverter cover plates and literature.