

SELECTRONIC CERTIFIED



The foundation of the ultimate solar power system

A Selectronic Certified grid-tie inverter is the first step in building a system with maximum efficiency and ultimate flexibility using Selectronic's Managed AC Coupling "Smart Link" technology.

Benefits of using Selectronic Certified

- 📌 **NEW!** Fronius Symo now available in the Selectronic Certified inverter range, for 3 phase system requirements
- 📌 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



Grid Independence | Outstanding Reliability | Ultimate Flexibility



Managed AC Coupling with Selectronic Certified grid-tie inverters

Using our highly acclaimed Managed AC Coupling “Smart Link” topology, the SP PRO controls the PV output in up to 0.1% increments, allowing for perfect control of your solar power system.

Want solar but not ready to add battery storage?





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. This is a cost effective, future ready solution.

Selectronic Managed AC Coupling

Managed AC Coupling technology was developed by Selectronic in 2010. It allows the SP PRO to take control of the flow of energy from the solar panels up to 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 to charge batteries or export to the grid. Up to 5 Selectronic Certified inverters can be controlled by any single SP PRO.

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
-  In addition to the new Selectronic Certified Fronius Symo 3 phase inverter range , we also recommend the use of our SelectSun 20kW and 40kW products where larger 3 phase inverters are required.

Current range of Selectronic Certified grid-tie inverters:

ABB UNO Single Phase

Model Number	AC Output	No MPPTs	DC Input Voltage range	Warranty for Australian installations
UNO-3.3-DM-SCERT	3.3 kW	2	90 - 580 V	10 years ABB T&Cs apply
UNO-4.0-DM-SCERT	4.0 kW	2	90 - 580 V	
UNO-5.0-DM-SCERT	5.0 kW	2	90 - 580 V	
UNO-6.0-DM-SCERT	6.0 kW	2	90 - 580 V	

Fronius Primo Single Phase

Model Number	AC Output	No MPPTs	DC Input Voltage range	Warranty for Australian installations
Primo 3.0-1 WLAN-SCERT	3.0 kW	2	200 - 800 V	5 + 5 years Fronius T&Cs apply
Primo 4.0-1 WLAN-SCERT	4.0 kW	2	210 - 800 V	
Primo 5.0-1 WLAN-AUS SCERT	4.6 kW	2	240 - 800 V	
Primo 5.0-1 WLAN-INT-SCERT	5.0 kW	2	240 - 800 V	
Primo 6.0-1 WLAN-SCERT	6.0 kW	2	240 - 800 V	
Primo 8.2-1 WLAN-SCERT	8.2 kW	2	270 - 800 V	

Fronius Symo 3 Phase

Model Number	AC Output	No MPPTs	DC Input Voltage range	Warranty for Australian installations
Symo 8.2-3 WLAN-SCERT	8.2 kW	2	150 - 1000 V	5 + 5 years Fronius T&Cs apply
Symo 10.0-3 WLAN-SCERT	10.0 kW	2	200 - 1000 V	
Symo 12.5-3 WLAN-SCERT	12.5 kW	2	200 - 1000 V	
Symo 15.0-3 WLAN-SCERT	15.0 kW	2	200 - 1000 V	