

SP PRO GO Series



Grid optimised - no compromise

The GO series is the Grid Only version of the SP PRO series. It allows a model to be chosen which suits your export allowance exactly, without compromising backup power or battery charging ability. Export setting is factory locked for Utility compliance.

By incorporating solar, wind, hydro or a diesel generator, no matter where you are on the grid you can be sure you will never be without power.

Product Highlights

- Australian designed & manufactured
- Bi-directional inverter charger
- Suits all export requirements
 - Limited export
 - Zero export
- Export power output 0 kW - 60 kW
- Utility compliant
- Boosts limited capacity grids
- Seamless blackout or brownout protection
- AC or DC coupling compatible
- AC continuous load power 3 kW - 60 kW
- Single, Dual or Three phase
- Peak demand management
- Batteryless operation is possible
- 63A or 125A transfer contactor standard
- Retrofit your current solar power system
- Comprehensive after-sales support
- Up to 8 year warranty*

* Conditions apply see website for details

SP PRO GO Series models

SPMC240-0.0	SPMC241-0.0	SPMC481-0.0	SPMC482-0.0	SPMC1201-0.0	SPLC1200-0.0	SPLC1202-0.0
SPMC240-2.0	SPMC241-2.0	SPMC481-2.0	SPMC482-2.0	SPMC1201-6.0	SPLC1200-15.0	SPLC1202-20.0
SPMC240.2.5	SPMC241-2.5	SPMC481-3.0	SPMC482-3.0			
	SPMC241-3.0	SPMC481-4.0	SPMC482-4.0			
	SPMC241-3.5		SPMC482-4.9			
			SPMC482-5.0			
			SPMC482-6.0			

Independence | Peace of Mind | Reliability | Flexibility

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SP PRO GO Series Specifications



	SPMC240-x.x		SPMC241-x.x		SPMC481-x.x		SPMC482-x.x		SPMC1201-x.x		SPLC1200-x.x		SPLC1202-x.x		
AC OUTPUTS															
	x.x	Value	x.x	Value	x.x	Value	x.x	Value	x.x	Value	x.x	Value	x.x	Value	
Maximum AC Grid Feed Power Example: SPMC240-2.5 = 2.5kW export SPMC241-3.5 = 3.5kW export SPMC481-0.0 = 0.0kW export	0.0 2.0 2.5	0.0 kW 2.0 kW 2.5 kW	0.0 2.0 2.5 3.0 3.5	0.0 kW 2.0 kW 2.5 kW 3.0 kW 3.5 kW	0.0 2.0 3.0 4.0	0.0 kW 2.0 kW 3.0 kW 4.0 kW	0.0 2.0 3.0 4.0 4.9 5.0 6.0	0.0 kW 2.0 kW 3.0 kW 4.0 kW 4.9 kW 5.0 kW 6.0 kW	0.0 6.0	0.0 kW 6.0 kW	0.0 15.0	0.0 kW 15.0 kW	0.0 20.0	0.0 kW 20.0 kW	
Maximum AC Load Power from batteries:	30 seconds	7.5 kW	10.5 kW	12.0 kW	18.0 kW	18.0 kW	33.0 kW	38.0 kW							
	1 minute	5.4 kW	7.6 kW	8.7 kW	13.0 kW	13.0 kW	26.0 kW	35.0 kW							
	30 minutes	4.2 kW	6.75 kW	7.0 kW	11.25 kW	11.25 kW	23.0 kW	30.0 kW							
	60 minutes	3.2 kW	4.7 kW	5.3 kW	8.0 kW	8.0 kW	18.0 kW	24.0 kW							
	Continuous	3.0 kW	4.5 kW	5.0 kW	7.5 kW	7.5 kW	15.0 kW	20.0 kW							
Maximum total output to Load, AC source + inverter	15 kW + inverter rating (60 kW + inverter rating with optional external contactor)										30 kW (60 kW with optional external contactor)				
Nominal voltage during grid outage	240 V AC configurable 210 to 240 V AC														
Total harmonic distortion during grid outage	<3% @ 0-200% rated load														
Frequency during grid outage	50 or 60 Hz +/-0.005% No Grid														
AC INPUTS															
Nominal voltage	210 +/- 15% to 240 +/- 10% V AC														
Nominal input frequency	50/60Hz configurable +/- 1% to 10%														
AC transfer current capacity	63 A (250 A with optional external contactor)										125 A (250 A with optional external contactor)				
Maximum AC input source, (backup generator or grid)	15 kW (60 kW with optional external contactor)										30 kW (60 kW with optional external contactor)				
AC transfer time	typical < 1/2 cycle														
Maximum battery charging from Grid	3.0 kW	4.5 kW	5.0 kW	7.5 kW	7.5 kW	15.0 kW	20.0 kW								
DC INPUTS															
Rated DC input / DC voltage range (V DC)	24 V / 20 - 34				48 V / 40 - 68				120 V / 100 - 170						
Battery capacity (range)	up to 10,000 Ah														
EFFICIENCY															
Peak Efficiency	95%	95%	96%	96%	97%	97.2 %	97.2%								
DC consumption: idle	6 W														
GENERAL															
DC Circuit Breakers internal											2 pole 250A				
Operating Temperature Range	-10 °C to 60 °C														
Inverter display indicators	Charger status, Charge source, Usable battery capacity remaining, Alarms, AC status.														
Renewable charging source	Managed AC Coupling with any Selectronic Certified single phase inverter, DC Renewable charge controller or Generic AC Coupled ¹														
Max PV	Selectronic Certified = 2 x AC Load Rating. Other brands = 1 x AC Load Rating														
Data logging storage	Up to 2.5 years														
SP LINK configuration and monitoring software	Included as standard														
FEATURES															
Battery temperature / Mid point battery voltage sense	Yes / Yes														
Battery Compatibility	Highly configurable battery charging set points allow integration with many battery chemistries including Lithium.														
Control Inputs	4 off, 12V to 60V On, < 3V Off														
Shunt Inputs	Two user definable: Suitable for 25 A - 1000 A current shunts at 25mV - 100mV														
Analogue Inputs	2 general purpose logged 0-60V														
Relay Control Outputs	Relay: 4 off: 60 V, 500 mA / Digital: 3 off: 60 V DC, 5 mA														
Communication Port 1	USB (slave) or RS232 (adjustable baud rate of up to 115200)														
Communication Port 2	RS485 or RS232 (adjustable baud rate of up to 115200)														
Dual & Three Phase configurable	Yes with an SP PRO GO on each phase														
Warranty	3 - 8 years (conditions apply see website for details)														
STANDARDS															
Safety - Uninterruptible Power Supply (UPS)	IEC 62040-1-1:2002 / AS 62040-1-1:2003														
Safety - Power converters used in PV Systems	IEC 62109-1 and IEC 62109-2														
EMC (Domestic limits)	EN 61000.6.3:2007														
EMC (Industrial limits)											EN 61000.6.4:2007				
Grid Connect	AS4777.2:2005, AS4777.3:2005														
Certification	Certificate of Suitability, Ctick														
Protection	IP43														
OPTIONS															
Generator Backup	Yes, using optional Grid Fail Gen backup module. Auto Start Generators only.														
Batteryless operation	Yes, works as an export controller using Batteryless Kit, Part no. 005072 or 005073														
WEIGHTS & DIMENSIONS															
Weight: Packed / Unpacked with wall mount	39 kg / 35 kg	45 kg / 39 kg	45 kg / 40 kg	54 kg / 42 kg	52 kg / 42 kg	160 kg / 113 kg	163 kg / 115 kg								
Dimensions: Packed / Unpacked h x w x d (mm)	810 x 500 x 350 / 690 x 375 x 220										1080 x 740 x 650 / 870 x 540 x 290				

¹ Where AC rating of Generic inverter does not exceed the Maximum AC Grid Feed Power of the SP PRO GO
All specifications at 25°C and rated DC input voltage except where otherwise stated. Specifications may change without notice. See website for latest specifications..