



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 fuel 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 zero or limited export requirements
- ☞ 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
- ☞ Comprehensive after-sales support
- ☞ Up to 10 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
		SPMC481-4.0	SPMC482-5.0			

Grid Independence | Outstanding Reliability | Ultimate Flexibility

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SPMC240-x.x	SPMC241-x.x	SPMC481-x.x	SPMC482-x.x	SPMC1201-x.x	SPLC1200-x.x	SPLC1202-x.x
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AC Outputs

Maximum AC grid feed power	x.x	Value	x.x	Value	x.x	Value	x.x	Value	x.x	Value	x.x	Value	x.x	Value
Example: SPMC240-2.5 = 2.5 kW export SPMC241-3.5 = 3.5 kW export SPMC481-0.0 = 0.0 kW export	0.0	0.0 kW	0.0	0.0 kW	0.0	0.0 kW	0.0	0.0 kW	0.0	0.0 kW	0.0	0.0 kW	0.0	0.0 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		6.7 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 - 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)			
Switching time between grid and batteries	less than 0.03 seconds													
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 V			48 V / 40 - 68 V			120 V / 100 - 170 V		
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 of: 12 V - 60 V True, < 3 V False							
Shunt inputs	Two user definable: Suitable for 25 A - 1000 A current shunts at 25mV - 100mV							
Analogue inputs	2 general purpose logged 0-60 V				-			
Relay control outputs	Relay: 4 of 60 V, 500 mA / Digital: 3 of 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 - 10 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	AS4777.2:2015, AS4777.3:2005							
Certification	Certificate of Suitability, C-tick							
Protection	IP43							

Options

Generator Backup	Yes, using optional Grid Fail Generator 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.