



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 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
- ✔ 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
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			

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
	2.0	2.0 kW	2.0	2.0 kW	2.0	2.0 kW	2.0	2.0 kW	6.0	6.0 kW	15.0	15.0 kW	20.0	20.0 kW
	2.5	2.5 kW	2.5	2.5 kW	2.5	2.5 kW	3.0	3.0 kW						
			3.0	3.0 kW	3.0	3.0 kW	4.0	4.0 kW						
			3.5	3.5 kW	4.0	4.0 kW	4.9	4.9 kW						
							5.0	5.0 kW						
							6.0	6.0 kW						
<b>Maximum AC load power from batteries:</b>														
<b>30 seconds</b>		7.5 kW		10.5 kW		12.0 kW		18.0 kW		18.0 kW		33.0 kW		38.0 kW
<b>1 minute</b>		5.4 kW		7.6 kW		8.7 kW		13.0 kW		13.0 kW		26.0 kW		35.0 kW
<b>30 minutes</b>		4.2 kW		6.7 kW		7.0 kW		11.25 kW		11.25 kW		23.0 kW		30.0 kW
<b>60 minutes</b>		3.2 kW		4.7 kW		5.3 kW		8.0 kW		8.0 kW		18.0 kW		24.0 kW
<b>Continuous</b>		3.0 kW		4.5 kW		5.0 kW		7.5 kW		7.5 kW		15.0 kW		20.0 kW
<b>Maximum total output to load, AC source + inverter</b>	15 kW + inverter rating (60 kW + inverter rating with optional external contactor)										30 kW (60 kW with optional external contactor)			
<b>Nominal voltage during grid outage</b>	240 V AC configurable 210 - 240 V AC													
<b>Total harmonic distortion during grid outage</b>	< 3% @ 0 - 200% rated load													
<b>Frequency during grid outage</b>	50 or 60 Hz ± 0.005% No Grid													

## AC Inputs

<b>Nominal voltage</b>	210 ± 15% to 240 ± 10% V AC													
<b>Nominal input frequency</b>	50/60Hz configurable ± 1% to 10%													
<b>AC transfer current capacity</b>	63 A (250 A with optional external contactor)										125 A (250 A with optional external contactor)			
<b>Maximum AC input source, (backup generator or grid)</b>	15 kW (60 kW with optional external contactor)										30 kW (60 kW with optional external contactor)			
<b>AC transfer time</b>	typical < 1/2 cycle													
<b>Maximum battery charging from grid</b>	3.0 kW		4.5 kW		5.0 kW		7.5 kW		7.5 kW		15.0 kW		20.0 kW	

## DC Inputs

<b>Rated DC input / DC voltage range (V DC)</b>	24 V / 20 - 34 V				48 V / 40 - 68 V				120 V / 100 - 170 V					
<b>Battery capacity (range)</b>	up to 10 000 Ah													

## Efficiency

<b>Peak efficiency</b>	95%	95%	96%	96%	97%	97.2%	97.2%
<b>DC consumption: idle</b>	6 W						

## General

<b>DC circuit breakers internal</b>	-										2 pole 250A			
<b>Operating temperature range</b>	-10 °C to 60 °C													
<b>Inverter display indicators</b>	Charger status, charge source, usable battery capacity remaining, alarms, AC status.													
<b>Renewable charging source</b>	Managed AC Coupling with any Selectronic Certified single phase inverter, DC renewable charge controller or generic AC coupled <sup>1</sup>													
<b>Max PV</b>	Selectronic Certified = 2 x AC load rating. Other brands = 1 x AC load rating													
<b>Data logging storage</b>	Up to 2.5 years													
<b>SP LINK configuration and monitoring software</b>	Included as standard													

## Features

<b>Battery temperature/Mid point battery voltage sense</b>	Yes / Yes													
<b>Battery compatibility</b>	Highly configurable battery charging set points allow integration with many battery chemistries including lithium.													
<b>Control inputs</b>	4 of: 12 V - 60 V True, < 3 V False													
<b>Shunt inputs</b>	Two user definable: Suitable for 25 A - 1000 A current shunts at 25mV - 100mV													
<b>Analogue inputs</b>	2 general purpose logged 0-60 V										-			
<b>Relay control outputs</b>	Relay: 4 of 60 V, 500 mA / Digital: 3 of 60 V DC, 5 mA													
<b>Communication Port 1</b>	USB (slave) or RS232 (adjustable baud rate of up to 115200)													
<b>Communication Port 2</b>	RS485 or RS232 (adjustable baud rate of up to 115200)													
<b>Dual &amp; three phase configurable</b>	Yes with an SP PRO GO on each phase													
<b>Warranty</b>	3 - 10 years (conditions apply, see website for details)													

## Standards

<b>Safety - Uninterruptible Power Supply (UPS)</b>	IEC 62040-1-1:2002 / AS 62040-1-1:2003													
<b>Safety - Power converters used in PV Systems</b>	IEC 62109-1 and IEC 62109-2													
<b>EMC (Domestic limits)</b>	EN 61000.6.3:2007										-			
<b>EMC (Industrial limits)</b>	-										EN 61000.6.4:2007			
<b>Grid Connect</b>	AS4777.2:2015, AS4777.3:2005													
<b>Certification</b>	Certificate of Suitability, C-tick													
<b>Protection</b>	IP43													

## Options

<b>Generator Backup</b>	Yes, using optional Grid Fail Generator backup module. Auto start generators only.										-			
<b>Batteryless operation</b>	Yes, works as an export controller using Batteryless Kit, Part no. 005072 or 005073										-			

## Weights & Dimensions

<b>Weight: Packed / Unpacked with wall mount</b>	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	
<b>Dimensions: Packed / Unpacked h x w x d (mm)</b>	810 x 500 x 350 / 690 x 375 x 220						1080 x 740 x 650 / 870 x 540 x 290	

<sup>1</sup> 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.