



without compromising backup power or battery

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*

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

^{*} Conditions apply. See website for details

STATEMENT STAT		SPMC240-x.x		SPMC241-x.x		SPMC481 -x.x		SPMC482-x.x		SPMC1201-x.x		SPLC1200-x.x		SPLC1202-x.x	
Maximum Act (pid field power New York	AC Outputs					-						0.10		01.20	
Security Control Con		V V	Value		Value		Value		Value		Value	V V	Value		Value
2006 2009 20 2009 20 2009 20 20											_				
20 20 / 20 20 20 20 20 20	SPMC240-2.5 = 2.5 kW export				2.0 kW										20.0 kW
S S S W 40 43	SPMC241-3.5 = 3.5 kW export	2.5	2.5 kW												
Maximum AC load gover from betteries: 75 kW 10 kW 12 k	3PINIC481-0.0 = 0.0 KW EXPORT														
Machine in A Case power from betyleriae: 15 10 20 20 20 20 20 20 20								1							
Simple	Maximum AC load power from batteries:							6.0	6.0 KW						
20 minutes	30 seconds	7.5 kW		10.5 kW		12.0 kW		18.0 kW		18.0 kW				38.0 kW	
## A FAN A FAN SALVEY SA															
Maximum total output to back AC source + inverter 15 W															
Maximum tests output to load, AC source s inverter 15 kW sirroter sting (REW s inventer rating with opporate abstrant contacts) 10 kW with dependent abstrant contacts 10 kW with dependent abstr															
														.0 KW	
Treat harmonic distortion during grid outage AC Inputs AC Inputs Nominal voltage AC Expert (specified by 100 Miles) AC transfer current capacity AC transfer during rid outage AC Expert (specified by 100 Miles) AC transfer during rid outage AC Expert (specified by 100 Miles) AC transfer during rid outage AC transfer during rid outage pages (V DC) 24 V 73 -34 45 V 74 -88 120 V 100 -178 AC transfer during rid outage pages (V DC) 24 V 73 -34 46 V 74 -88 120 V 100 -178 AC transfer during rid outage pages (V DC) 24 V 73 -34 46 V 74 -88 120 V 100 -178 AC transfer during rid outage pages (V DC) 24 V 73 -34 46 V 74 -88 120 V 100 -178 AC transfer during rid outage pages (V DC) AC transfer during rid outages (V DC) AC tran	Maximum total output to load, AC source + inverter	15 kW + inverter rating (60 kW + inverter rating with optional external contactor) (60 kW with optional external contactor)													
AC Imputs	Nominal voltage during grid outage	240 V AC configurable 210 to 240 V AC													
AC Inputs	Total harmonic distortion during grid outage														
Nominal input frequency							50 o	r 60 Hz +/	-0.005% No	o Grid					
AC transfer current capacity	AC Inputs														
AC transfer current capacity	Nominal voltage						210 +	/- 15% to	240 +/- 109	6 V AC					
Act	Nominal input frequency						50/60H	z configu	able +/- 1%	to 10%					
Maximum AC input source, (backup generator or grid)	AC transfer current capacity			6	3 A (250 A	with option	onal externa	al contacti	or)			(250.4			
15.00 Miles value (control activate) 15.00 Miles valu	Maximum AC input source, (backup generator or grid)		our (250 // min optional external contactor)												contactor
Maximum battery charging from grid 3.0 kW 4.5 kW 5.0 kW 7.5 kW 15.0 kW 20.0 kW			15 kW (60 kW with optional external contactor)												contactor
Rated Dc Linput / DC voltage range (V DC)	AC transfer time							typical «	< 1/2 cycle						
Rated DC Input / DC voltage range (V DC)	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
Selectory capacity (range)	DC Inputs														
### Decidion	Rated DC input / DC voltage range (V DC)	24 V / 20 - 34 48 V / 40 - 68									120 V / 100 - 170				
Peak efficiency	Battery capacity (range)							up to 1	0, 000 Ah						
Peak efficiency	Efficiency														
De circuit breakers internal Ob circuit breakers internal Ob carding themperature range Oberating temperature range range temperature range range temperature range ra		9	5%	9	5%	9	16%	9	96%		97%	9	7.2%	9	7.2%
Decircuit breakers internal	DC consumption: idle														
Operating temperature range	General														
Operating temperature range	DC circuit breakers internal						_						2 pole	250A	
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 SP LINK configuration and monitoring software Features Battery temperature/Mid point battery voltage sense Battery compatibility Highly configurable battery charging set points allow integration with many battery chemistries including lithium. Control Inputs Two user definable: Suitable for 25 A - 1000 A current shurts at 25mV - 100mV Analogue inputs Two user definable: Suitable for 25 A - 1000 A current shurts at 25mV - 100mV Analogue inputs Relay: 4 of 60 V, 500 mA / Digital: 3 of 60 V DC, 5 mA Communication Port 1 USB (slave for R5232 (adjustable baud rate of up to 115200) Dual & three phase configurable Yes with an SPR 0 GO on each phase Warranty Relay: 4 of 60 V, 500 mA / Digital: 3 of 60 V DC, 5 mA Longuage inputs Relay: 4 of 60 V, 500 mA / Digital: 3 of 60 V DC, 5 mA Communication Port 1 USB (slave for R5232 (adjustable baud rate of up to 115200) Dual & three phase configurable Yes with an SPR 0 GO on each phase Warranty Relay: 4 of 60 V, 500 mA / Digital: 3 of 60 V DC, 5 mA For the complete of the properties of the proper	Operating temperature range	-10 °C to 60 °C													
Data logging storage SP LINK configuration and monitoring software Features Battery temperature/Mid point battery voltage sense Battery compatibility Highly configurable battery charging set points allow integration with many battery chemistries including lithium. Control linputs Features Battery compatibility Highly configurable battery charging set points allow integration with many battery chemistries including lithium. Control linputs Two user definable Suitable for 2000 Aurent shurts at 25mV - 100mV Analogue inputs 2 general purpose logged 0-60V Relay control outputs Communication Port 1 USB (slave) or RS232 (adjustable bated rate of up to 115200) Communication Port 2 RS485 or RS232 (adjustable bated rate of up to 115200) Dual & three phase configurable Warranty 3 - 10 years (conditions apply, see website for details) Stately - Uninterruptible Power Supply (UPS) Safety - Power converters used in PV Systems EMC (Industrial limits) EMC (Gomestic limits) EN 61000.6 3:2007 Frotection Options Generator Backup Yes, using optional Grid Fall Generator backup module. Auto start generators only. - 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 Weight: Packed / Unpacked with wall mount 10 kg/35 kg 45 kg/39 kg 45 kg/40 kg 54 kg/40 kg 54 kg/42 kg 52 kg/42 kg 160 kg/113 kg 163 kg/115 kg Weight: Packed / Unpacked with wall mount	Inverter display indicators														
Data logging storage Up to 2.5 years Included as standard Features Battery temperature/Mid point battery voltage sense Battery temperature/Mid point battery voltage sense 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 A of: 12V to 60V True, < 3V False Shurt inputs Two user definable: Suitable for 25 A - 1000 A current shunts at 25mV - 100mV Analogue inputs Relay: on 160 V 50 mA / Digital: 3 of 60 V DC, 5 mA Analogue inputs Relay: on 160 V 50 mA / Digital: 3 of 60 V DC, 5 mA Communication Port 1 USB (slave) or R5232 (adjustable baud rate of up to 115200) Communication Port 2 R5455 or R5232 (adjustable baud rate of up to 115200) Dual & three phase configurable Yes with a PPR DG GO on each phase Warranty 3 - 10 years (conditions apply, see website for details) Standards Safety - Uninterruptible Power Supply (UPS) REC (2040-1-12002 / AS 62040-1-12003 Safety - Power converters used in PV Systems REMC (Domestic limits) REMC (Industrial limits) REMC (Indu	Renewable charging source	M	anaged AC	Coupling	with any S	electronic	Certified sir	ngle phase	e inverter, l	DC renew	able charge	controlle	r or generic	AC coup	ed 1
Features Battery temperature/Mid point battery voltage sense Battery compatibility Fighly configurable battery charging set points allow integration with many battery chemistries including lithium. 4 of: 12V to 60V True, <3V False Control inputs Fighly configurable battery charging set points allow integration with many battery chemistries including lithium. 4 of: 12V to 60V True, <3V False Shunt inputs Fighly configurable battery charging set points allow integration with many battery chemistries including lithium. 4 of: 12V to 60V True, <3V False Shunt inputs Fighly configurable: Suitable for 25 A - 1000 A current shunts at 25mV - 100mV Analogue inputs Fighly configurable: Suitable for 25 A - 1000 A current shunts at 25mV - 100mV Analogue inputs Fighly configurable: Suitable for 25 A - 1000 A current shunts at 25mV - 100mV Fighly configurable: Fighly configurable inputs at 25mV - 100mV Fighly configurable inputs at 25mV -	Max PV				Selec	tronic Cert	tified = $2 \times I$	AC load ra	ting. Other	brands =	1 x AC load	l rating			
Peatures Peatures Peature Pe	Data logging storage														
### Battery temperature/Mid point battery voltage sense ### Sense	SP LINK configuration and monitoring software							Included	as standard	<u> </u>					
Battery compatibility Highly configurable battery charging set points allow integration with many battery chemistries including lithium. Control inputs A of 12V to 60V True, < 3V False Two user definable: Suitable for 25 A - 1000 A current shunts at 25mV - 100mV Analogue inputs 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) Dual & three phase configurable Yes with an SP PRO GO on each phase Warranty Standards Safety: Uninterruptible Power Supply (UPS) Safety - Power converters used in PV Systems ENC (Domestic limits) EN 61000.6.3:2007 ENC (Industrial limits) EN 61000.6.3:2007 Certificate of Suitability, Citck Protection Yes, using optional Grid Fail Generator backup module. Auto start generators only. Yes, works as an export controller using Batteryless Kit, Part no. 005072 or 005073 Weight's Packed / Unpacked with wall mount 39 kg/35 kg 45 kg/39 kg 45 kg/30 kg 54 kg/40 kg 54 kg/42 kg 52 kg/42 kg 160 kg/113 kg 163 kg/115 kg Weight: Packed / Unpacked with wall mount A cit 12V to 60V True, < 3V False 4 of 12V to 60V True, < 3V False A cit 12V to 60V True, < 3V False A cit 12V to 60V True, < 3V False A cit 12V to 60V True, < 3V False A cit 25 A - 1000 A current shunts at 25mV - 100mV A cit 25 A - 1000 A current shunts at 25mV - 100mV A cit 25 A - 1000 A cit 25 A - 100mV A cit 25 A - 1000 A cit 25 A - 100mV A cit 25 A - 1000 A cit 25 A - 100 A cit 25 A	Features														
A of: 12V to 60V True, < 3V False	Battery temperature/Mid point battery voltage sense							Yes	/ Yes						
Two user definable: Suitable for 25 A - 1000 A current shunts at 25mV - 100mV	Battery compatibility		Hig	hly configu	ırable battı	ery chargi	ng set point	s allow in	tegration w	rith many	battery che	mistries i	ncluding lith	ium.	
Analogue inputs 2 general purpose logged 0-60V	Control inputs	4 of: 12V to 60V True, < 3V False													
Relay: 4 of 60 V, 500 mA / Digital: 3 of 60 V DC, 5 mA	Shunt inputs											- 100mV			
USB (slave) or RS232 (adjustable baud rate of up to 115200)	Analogue inputs			2 ger	neral purpo				10000	(55.11-			-		
R5485 or R5232 (adjustable baud rate of up to 115200)	Relay control outputs														
Yes with an SP PRO GO on each phase															
Standards															
Standards Safety - Uninterruptible Power Supply (UPS) IEC 62040-1-1:2002 / AS 62040-1-1:2003	Warranty					3 - 1									
Safety - Uninterruptible Power Supply (UPS) IEC 62040-1-1:2002 / AS 62040-1-1:2003	Standards						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		77						
EC 62109-1 and IEC 62109-2	Safety - Uninterruptible Power Supply (UPS)						IEC 62040)-1-1:2002	2 / AS 6204	0-1-1:200	3				
### EMC (Industrial limits) ### AS4777.2:2005, AS4777.3:2005 Certification	Safety - Power converters used in PV Systems						IEC	62109-1 a	and IEC 621	09-2					
AS4777.2:2005, AS4777.3:2005 Certification Certificate of Suitability, Ctick 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	EMC (Domestic limits)				EN 6100	0.6.3:2007							-		
Certification Certificate of Suitability, Ctick 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	EMC (Industrial limits)							EN 61000.6.4:2007							
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	Grid Connect														
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	Certification						Cer			Ctick					
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	Protection								P43						
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	Options														
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	Generator Backup		Yes, using	g optional (Grid Fail Ge	enerator b	ackup mod	ule. Auto	start gener	ators only					
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	Batteryless operation	Yes, wo	ks as an ex	port contr	oller using	Batteryles	s Kit, Part n	o. 005072	or 005073				_		
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	Weights & Dimensions														
	Weight: Packed / Unpacked with wall mount	39 kg	/ 35 kg	45 kg	/ 39 kg	45 kg	/ 40 kg	54 kg	g / 42 kg	52 kg	g / 42 kg	160 kg	g / 113 kg	163 k	g / 115 kg
	Dimensions: Packed / Unpacked h x w x d (mm)							_							

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.