





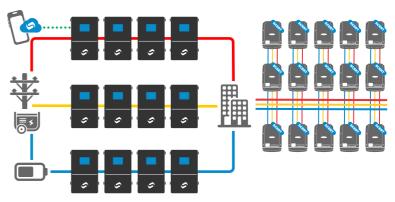
The SP PRO grid-forming battery inverter is one of the most versatile and intelligent on the market. With custom Selectronic solutions, it enables properties to achieve true Off-Grid capability and complete site electrification.

Australian-owned, designed, manufactured, and supported since 1964 giving us the most experience & clocked hours of energy conversion globally. We have powered thousands of sites from regional to fringeof-grid to on-grid homes and commercial properties.

Versatility: Our inverters provide a true transition from an On-Grid Solar Hybrid to an Off-Grid system (and vice versa). The SP PRO is a world-renowned inverter that offers grid independence, proven reliability, ultimate flexibility and retro-fit capability.

Future-Proof: At Selectronic, we strive for the lowest total cost of long-term ownership. New firmware updates are typically backward compatible. When incorporating unlimited DC Coupled solar, wind, backup generator or a grid supply,* our ethos of **Power On** is always met.

Battery Nerds Unite! Engineers and installers are supported by professionals who speak your language and understand power electronic systems with the breadth of knowledge and experience that you require & expect.



240kW of continuous load power can be achieved, using 4x 20kW SP PRO inverters per phase on a three-phase system

SP PRO Variants	Managing Batteries of 24V, 48V & 120V
AC continuous load	3kW to 240kW (24/7)
Maximum Inverters (Per Phase)	4 x SP PRO's Single - Dual - Split - 3-phase
Applications	Off-Grid & On-Grid* (Grid backup & Grid Feed), Boating and Caravaning
Battery Compatibility	Managed or self-managed Lithium, Lead acid or Lead Carbon
Coupling & Retrofits	AC Coupling or DC Coupling Compatible
Max Managed AC Coupled Solar	480kW
Generator Input	Yes & Inbuilt Integrated Generator Controller
Internal Transfer Contactor	63A or 125A Standard Up to 1000A per phase external
Warranty	5 Years + 5 Years (When Monitoring Registered)

*On-Grid connection only applies to SPMC480-AU, SPMC481-AU, SPMC482-AU, SPLC1200 and SPLC1202 *Conditions apply see website for detail









SP PRO MODEL No.	SPMC240-AU	SPMC241-AU	SPMC480-AU	SPMC481-AU	SPMC482-AU	SPMC1201	SPLC1200	SPLC1202
AC OUTPUTS								
Maximum AC Load power from batteries: 30 secs	7.5kW	10.5kW	8.4kW	12.0kW	18.0kW	18.0kW	33.0kW	38.0kW
1 minute	5.4kW	7.6kW	6.0kW	8.7kW	13.0kW	13.0kW	26.0kW	35.0kW
30 minutes	4.2kW	6.75kW	5.25kW	7.0kW	11.25kW	11.25kW	23.0kW	30.0kW
60 minutes	3.2kW	4.7kW	3.7kW	5.3kW	8.0kW	8.0kW	18.0kW	24.0kW
Rated output power (Continuous 24/7) ⁴	3.0kW	4.5kW	3.5kW	5.0kW	7.5kW	7.5kW	15.0kW	20.0kW
Rated apparent power	3,000VA	4,500VA	3,500VA	5,000VA	7,500VA	7,500VA	15,000VA	20,000VA
Continuous inverter AC current	12.5A	18.8A	14.6A	20.9A	31.3A	31.3A	62.5A	83.4A
Max total output to Load	15.0kW¹ + SP PRO continuous rating + solar inverter output 30.0kW¹ + SP PRO + solar inverter output							
Nominal AC Voltage - Total harmonic distortion when SP PRO is grid forming	240V AC configurable 210 to 240V AC / <3% @ 0-200% rated Load							
Frequency when SP PRO is grid forming	50 or 60Hz +/-0.005% No-Grid							
Max Export to grid using Selectronic Certified solar inverters / generic solar Inverters ³ per phase	Not Applicable	Not Applicable	7.0kW / 3.5kW	10.0kW / 5.0kW	15.0kW / 7.5kW	Not Applicable	30.0kW / 15.0kW	40.0kW ² /20.0
Max rating of managed AC Coupled solar (SCERT) per SP PRO	6.0kW	9.0kW	7.0kW	10.0kW	15.0kW	15.0kW	30.0kW	40.0kW
AC INPUTS								
Nominal input voltage (range) from grid or generator				210 to 240V	(+10%, -25%)			
Nominal input frequency from grid or generator				50Hz	+/- 10%			
Max input from grid or generator, internal contractor			63A1/	15.0kW ¹			125A1/	30.0kW¹
Switching time between grid / generator & batteries				Less than 0	.03 seconds			
Max continuous battery charging	3.0kW / 125A	4.5kW / 187A	3.5kW / 73A	5.0kW / 104A	7.5kW / 156A	7.5kW / 62A	15.0kW / 125A	20.0kW / 166
DC INPUTS								
Nominal DC input / DC voltage start-up range (V DC)	24V / 1	20 - 34		48V / 40 - 68			120V / 100 - 162	
Maximum battery capacity	24V / 20 - 34 48V / 40 - 68 1.5MWh 3.0MWh				7.5MWh			
EFFICIENCY	1.51			3.0111111			7.51414411	
	95%	95%	95%	96%	96%	97%	97.2%	97.2%
Peak Efficiency	95%	95%	95%		W 90%	37.0	37.276	97.276
DC consumption: idle				0	vv			
GENERAL								
					o 60°C			
Inverter display indicators				le battery capacity	remaining, Alarms		and AC load status	
Inverter display indicators				le battery capacity	remaining, Alarms		and AC load status	
Renewable charging source				le battery capacity	remaining, Alarms			
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¹ Up to 240kW / 1000A per phase with installer built external contactor ² Above 30kW requires an installer built external AC contactor ³ Suitable for On-Grid systems only ⁴ Power Factor = 1.0

All specifications at 25°C and rated DC input voltage except where otherwise stated.