

When the worlds most experienced inverter company joins forces with one of the most experienced battery companies, the outcome is simply stunning.

The all new SelectCell range of Lithium Iron Phosphate batteries brings a new level of integration and performance to the battery storage industry.

Working together provides an Inverter and Battery solution that is engineered in harmony, no more incompatibility issues.

Capable of system capacities from 13.44kWh up to a massive 3MWh with features such as:

- 13.44kWh per battery
- On-Grid or Off-Grid applications
- Prismatic LFP battery cells
- Domestic, commercial or industrial sites
- Modular and scalable
- High energy density with small footprint
- Able to work with a range of inverters
- 48V, (120V) 144V, 432V and 628V DC
- CANbus controlled for accurate and safe operation



SP PRO SPLC
120V DC

SelectCell comes in convenient pre-selected kits.

Kit Model	DC V	kWh	Battery Type	Busbars included	No of Battery Modules	Max Continuous kW of SP PROs
Essential 4814	48V DC	13.44kWh	Essential	Not Required	1	6.7kW
Essential 4827	48V DC	27kWh	Essential	No	2	13.4kW
Essential 4841	48V DC	41kWh	Essential	No	3	20.0kW
Essential 4854	48V DC	54kWh	Essential	No	4	26.8kW
Ultimate 4854	48V DC	54kWh	Ultimate	Yes	4	26.8kW
Ultimate 4867	48V DC	67kWh	Ultimate	Yes	5	33.5kW
Ultimate 4880	48V DC	80kWh	Ultimate	Yes	6	40.0kW
Ultimate 4894	48V DC	94kWh	Ultimate	Yes	7	47.0kW
Ultimate 14480	144V DC	80kWh	Ultimate	Yes	2 x 3	40.0kW
Ultimate 144160	144V DC	160kWh	Ultimate	Yes	4 x 3	80.0kW
Ultimate 144240	144V DC	240kWh	Ultimate	Yes	6 x 3	120kW
Ultimate 144320	144V DC	320kWh	Ultimate	Yes	8 x 3	160kW
Ultimate 144400	144V DC	400kWh	Ultimate	Yes	10 x 3	200kW
Ultimate 144480	144V DC	480kWh	Ultimate	Yes	12 x 3	240kW

Larger systems up to 3MWh can be achieved, these will be custom engineered.

Manufacturing in Australia Since 1964

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SelectCell
Essential 4814



SP PRO
SPMC

SelectCell Battery Data			
Electrical Characteristics	Ultimate 48V	Ultimate 120/144V (3 batteries in series)	Essential 48V
Electrochemical	Lithium Iron Phosphate LFP		
Cell type	Prismatic		
Rated voltage per battery	48V DC	144V DC	48V DC
Maximum battery voltage	52.2V DC	156.6V DC	52.2V DC
Minimum battery voltage	42V DC	126V DC	42V DC
Battery capacity per string	13.44kWh	40.3kWh	13.44kWh
Maximum system capacity	3MWh	3MWh	53.76kWh
Rated continuous charge	6.72kW / 140A	20kW / 140A	6.72kW / 140A
Max continuous charge or discharge	8.4kW / 175A	25.3kW / 175A	8.4kW / 175A
Peak discharge 1-2mins	13.44kW / 280A	40.3kW / 280A	13.44kW / 280A
Communications	Ultimate 48V	Ultimate 120/144V (3 batteries in series)	Essential 48V
Operation without comms to inverter	No	No	Yes
Communications type to inverter	CANbus		
Individual string by string, and battery data	Yes	Yes	No
Data Communication to SP PRO	Ultimate 48V	Ultimate 120/144V (3 batteries in series)	Essential 48V
Basic data set	No	No	Yes
Advanced data set and monitoring	Yes	Yes	No
Installation	Ultimate 48V	Ultimate 120/144V (3 batteries in series)	Essential 48V
Operating temperature without derating	15°C to 30°C		
Maximum operating temperature	-20°C to +55°C		
Charging temperature range	0°C to 45°C		
Max battery modules stacked vertically	4		
Inter battery power connection	Anderson plug	Harting plug	Anderson plug
Inter battery communications connection	RJ45		
Physical	Ultimate 48V	Ultimate 120/144V (3 batteries in series)	Essential 48V
Dimensions w x d x h (mm)	762 x 405 x 448 +/- 2mm		
Weight per battery	105kg		
Protection	IP30		
Product warranty	8 years		
Performance warranty	60% of retained capacity after 10yrs or 35.6MWh per battery, whichever comes first.		