



# AERL LiFe<sup>2</sup>

## Lithium Battery Storage



### Easy to Connect

Managed or Self-Managed  
Operation Modes.



### Scalable

Up to 64 Battery Modules  
in parallel.



### Hot Swappable

Easy swapped without  
system interruption.



### Reliability

Automatic Fallback to  
Self-Managed if comms are lost.  
(when used with supported inverters)



### LiFePO4

LiFePO4 chemistry housed  
in a robust Prismatic Cell  
construction.



### Easy Installation

Easy installation with quick  
plug-and-play connections  
saving time on site.



### Pre-wired Cabinets

Choose from 6 or 10 battery  
module pre-wired cabinets.



### Remote Monitoring

Performance and system  
management through  
AERL Cloud.



### Warranty

Up to a 10-year 70% product  
and performance warranty.  
(Conditions Apply)

#### AERL

📍 1/75 Bluestone Circuit, Seventeen Mile Rocks, QLD  
✉️ sales@aerl.com.au  
🌐 www.aerl.com.au

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**Great Power**

Parameter	Battery Specifications	
Part Number	LiFe2-5120S	
Nominal Voltage	51.2 V DC	
Operational Voltage Range	40.8 V DC to 58.4 V DC	
Capacity	5.12 kWh / 100 Ah	
Depth of Discharge	Up to 100%	
Maximum Continuous Discharge Rate	1C (@ 25°C)	
Maximum Continuous Discharge Current	100 A (@ 25°C)	
Maximum Discharge Power	5.12 kW	
Peak Discharge Current	200 A (10.24 kW, 5s)	
Maximum Continuous Charge C-Rate	1C (@ 25°C)	
Maximum Continuous Charge Current	100 A (@ 25°C)	
Peak Charge Current	200 A (@ 25°C)	
Integrated Circuit Breaker	1-Pole 125A 80VDC	
Lithium Chemistry	LiFePO4 / LFP	
Cell Construction	Prismatic	
Operating Temperature Range Managed	Charge: -10°C to 50°C / Discharge -20°C to 50°C	
Operating Temperature Range Self-Managed	Charge: 0°C to 50°C / Discharge -5°C to 50°C	
Operating Humidity	Up to 95% (non-condensing)	
BMS Over-Voltage Cell Level Protection	3.65 V DC	
BMS Under-Voltage Cell Level Protection	2.55 V DC	
BMS Over-Temp Cut Off	56°C	
Short Circuit Current	4500 A	
Arc Flash Incident Energy IEm in Cal/cm <sup>2</sup> (45cm)	0.341	
Arc Flash Incident Energy AFB (cm)	23.952	
Altitude	< 2500 m	
DC Connectors	100 A Quick Connect	
IP Rating	IP20	
Efficiency	> 96%	
Cooling	Natural Convection	
Scalability	64 Batteries in Parallel	
Series Connection	Not Permitted	
Communications	CAN 2.0A / RS458 / No Comms	
Weight	44 kg	
Dimensions	440 x 134 x 480 mm	
Warranty	5 + 5 Years (up to 10 Years) - Conditions Apply	
Certifications - Cell	UL1973, UL9540A, IEC62619:2022, UN38.3	
Certifications - Pack	IEC62619:2022, IEC62040, UN38.3, CE	
Country of Manufacture	People's Republic of China	

Parameter	Cabinet Specifications	
Part Number	LiFe2-CAB6	LiFe2-CAB10
Dimensions (W x D x H)	620 x 600 x 1270 mm	620 X 600 x 1890 mm
Fixing	4 x Wheels & 4 x Feet	
Max. Module Quantity	6 (30.72 KW)	10 (51.20 KW)
Busbar Continuous Current Rating	625 A	1250 A
Battery Interconnection	Pre-wired Quick Connector with 4 AWG UL Cable	
DC Circuit Breaker	None	None
IP Rating	IP20	
Weight	91kg	128 kg
Warranty	Refer to Warranty Document	