



Kakadu 120

Lithium Battery Storage



Featuring cutting-edge **Active Battery Management** and **World Class LiFePo4 Prismatic Cells**, the Kakadu is a robust energy storage solution designed for the toughest of Australian conditions.

Future proof with effortless expandability thanks to our **Plug-and-Play Cabinets**, and enjoy the confidence of uninterrupted performance with an industry first **Automatic Fallback to Self-Management** if comms are lost (when used with supported inverters).



Easy to Connect

Managed or Self-Managed Operating Modes.



Scalable

Up to 16 Cabinets in parallel for 1.41 MWh.



Swappable

Easily swapped with minimal system interruption.



Future Proof

Reconfigure for HV Inverter Support



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 Cabinet

Simple, efficient, and pre-wired.



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
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AERL Kakadu 120 Specification REV 001 – 1s November 2025
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Powered by
Great Power

Parameter	Battery Specifications
Part Number	Kakadu-120-88.4
Nominal Voltage	140.8 V DC
Operational Voltage Range	112.2 V DC to 165 V DC
Capacity	88.4 kWh / 628 Ah
Depth of Discharge	Up to 90%
Maximum Continuous Discharge Rate	0.25C (@ 25°C)
Maximum Continuous Discharge Current	150 A (@ 25°C)
Peak Discharge Power	42.2 kW (5s)
Peak Discharge Current	300 A (5s)
Maximum Continuous Charge C-Rate	0.2C (@ 25°C)
Maximum Continuous Charge Current	150 A (@ 25°C)
Peak Charge Current	300 A (@ 25°C)
Integrated Circuit Breaker	2-Pole 180A 200VDC
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 ² (45cm)	0.0027
Arc Flash Incident Energy AFB (cm)	21.5
Altitude	< 2500 m
DC Connectors	200 A Quick Connect
IP Rating	IP55
Efficiency	> 96%
Cooling	Natural Convection
Scalability	16 Cabinets in Parallel
Series Connection	Not Permitted
Communications	CAN 2.0A / No Comms
Weight	970 kg
Dimensions	795 x 1900 x 1150 mm
Warranty	10 Years - Conditions Apply
Certifications - Cell	UL1973, UL9540A, IEC62619:2022, UN38.3
Certifications - Pack	IEC62619:2022, IEC62040, UN38.3, CE

Parameter	Module Specifications
Part Number	Kakadu-35.2-T1S
Dimensions (W x D x H)	295 x 225 x 960 mm
Energy	11.05 kWh
Nominal Voltage	35.2V
Continuous Current Rating	50 A (100A 5s)
Battery Interconnection	Quick Connector with 4 AWG UL Cable
Communications	CAN 2.0
IP Rating	IP20
Weight	91 kg
Warranty	Refer to Warranty Document

AERL reserves the right to change any product, product specifications and data without notice to improve reliability, function, or design or otherwise.