



# 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 Operation 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  
✉️ sales@aerl.com.au  
🌐 www.aerl.com.au

AERL Kakadu 120 Specification REV 001 – 1s November 2025  
Copyright © 2025 AERL Pty. Ltd. All Rights Reserved.

Powered by  
**Great Power**

Parameter	Battery Specifications
Part Number	Kakadu-120-88.4
Nominal Voltage	140.8 VDC
Operational Voltage Range	112.2 VDC to 165 VDC
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 VDC
BMS Under-Voltage Cell Level Protection	2.55 VDC
BMS Over-Temp Cut Off	56°C
Short Circuit Current	4500 A
Arc Flash Incident Energy IEm in Cal/cm2 (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-35.2-11S
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