



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 integration with AERL Nexus and CoolMax SRX MPPT.



Managed by AERL Nexus

Battery comms and charge profile handled by the Nexus Gateway.



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.



Optimised for CoolMax SRX

Designed for DC coupling with CoolMax SRX MPPT.



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 003 - 22 September 2026
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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
Battery Module Arrangement	2 Strings / 4 Modules Per String
Depth of Discharge	Up to 90%
Maximum Continuous Discharge Current	300 A @ 25°C (150 A Per String)
Peak Discharge Current (1 min)	315 A
Maximum Continuous Charge Current	300 A @ 25°C (150 A Per String)
Integrated BMS Circuit Breaker	2-Pole, 250 A, 200 V DC (Per String)
Lithium Chemistry	LiFePO ₄ / LFP
Cell Construction	Prismatic
Operating Temperature Range	Charge: -10°C to 50°C / Discharge: -20°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-Temperature Cut-Off	56°C
Prospective Short-Circuit Current	4500 A Per String / 9000 A Per Cabinet
Arc Flash	Calculate in accordance with AS/NZS 5139:2019
Altitude	< 2500 m
DC Connectors	Quick Connect for up to 50 mm ² Cable
IP Rating	IP55
Efficiency	> 96%
Cooling	Natural Convection
Scalability	16 Cabinets in Parallel
Series Connection	Not Permitted
Communications	CAN 2.0A / AERL Nexus Gateway Required
Weight	970 kg
Dimensions (W x H x D)	795 x 1900 x 1150 mm
Warranty	10 Years — Conditions Apply
Certifications — Cell	UL 1973, UL 9540A, IEC 62619:2022, UN 38.3

Parameter	Module Specifications
Part Number	Kakadu-35.2-11S
Dimensions (W x H x D)	295 x 225 x 960 mm
Energy	11.05 kWh
Nominal Voltage	35.2 V
Continuous Current Rating	150 A
Battery Interconnection	Quick Connector with 21 mm ² (4 AWG) UL Cable
Communications	CAN 2.0A
IP Rating	IP20
Weight	91 kg
Warranty	Refer to Warranty Document