Kakadu 120

Lithium Battery Storage

Powered by **Great Power**



88.4 kWh
Per cabinet · 628 Ah

140.8 V
Nominal voltage

300 A
Continuous @ 25 °C

16
Cabinets in parallel

Battery Specifications

Kakadu-120-88.4

Active battery management and LiFePO4 prismatic cells; integrates with AERL Nexus and CoolMax SRX MPPT.

Electrical

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%**
Max. continuous discharge current	**300 A @ 25 °C (150 A Per String)**
Peak discharge current (1 min)	**315 A**
Max. continuous charge current	**300 A @ 25 °C (150 A Per String)**
Integrated BMS circuit breaker	**2-pole, 250 A, 200 V DC (Per String)**
Efficiency	**> 96%**

Module specifications · Kakadu-35.2-11S

Part number	**Kakadu-35.2-11S**
Dimensions (W × H × D)	**295 × 225 × 960 mm**
Energy	**11.05 kWh**
Nominal voltage	**35.2 V**
Continuous current rating	**150 A**
Battery interconnection	**Quick Connector with 21 mm² (4 AWG) UL cable**
Communications	**CAN 2.0A**
IP rating	**IP20**
Weight	**91 kg**
Warranty	**Covered by the cabinet warranty**

Cell & BMS protection

Lithium chemistry	**LiFePO4 / LFP**
Cell construction	**Prismatic**
BMS over-voltage (cell level)	**3.65 V DC**
BMS under-voltage (cell level)	**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**

Environmental

Operating temperature	**Charge: −10 to 50 °C Discharge: −20 to 50 °C**
Operating humidity	**Up to 95% (non-condensing)**
Altitude	**< 2500 m**
IP rating	**IP55**
Cooling	**Natural convection**

System & mechanical

DC connectors	**Quick Connect for up to 50 mm² cable**
Scalability	**16 cabinets in parallel**
Series connection	**Not permitted**
Communications	**CAN 2.0A / AERL Nexus Gateway required**
Weight	**970 kg**
Dimensions (W × H × D)	**795 × 1900 × 1150 mm**
Warranty	**10 years — conditions apply**
Certifications — cell	**UL 1973, UL 9540A, IEC 62619:2022, UN 38.3**

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 Quick plug-and-play connections save 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 10-year 70% product and performance warranty. (Conditions apply)

Supplied and supported by

AERL · 1/75 Bluestone Circuit
Seventeen Mile Rocks QLD 4073

Cells

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