

You Can Go anywhere, with Energy Everywhere

off-grid / on-grid

The Cangoee Powermate is a unique and adaptable power solution, constructed using the very latest, high quality prismatic lithium iron phosphate cells.

The smart design utilises a common form factor in a robust aluminium case allowing a staged approach to your vehicle's power needs.

Are you ready to go next level and upgrade your in-vehicle power options with a smart and efficient quality kit?

This standalone 12V/110Ah Cangoee Powermate lithium battery comes in three variants to allow for simple scaling and flexibility in configuration.

Additionally, the Powermate series allows for quick access to individual batteries giving you mobile energy options and optimising the usage of your investment.

Suitable for emergency services, large corporate fleet, 4WD enthusiasts, canopy builders and the motor body building sector, the Cangoee Powermate fits perfectly behind or under seats, adjacent to walls or integrated into our multiple rack system for efficient installation and multiuse.

The Cangoee Powermate delivers a cost effective 4WD, canopy, camper system solution time tested, engineer verified, all boxed up and ready to go.

Trusted by Australian
Emergency Services



on-demand

- ✓ Internal 40A configurable DC/DC charger
- ✓ 75V/15A Smart Solar Controller
- ✓ Smart Shunt with Bluetooth Connectivity
- ✓ Ignition trigger for smart alternators
- ✓ Internal 100A BMS
- ✓ Rapid 100A charge rate
- ✓ 100A Discharge & 200A Surge
- ✓ Twice the capacity of AGM/SLA batteries 50% lighter than other systems
- ✓ Slim form factor in multiple configurations designed for parallel connection.
- ✓ MCP multipin connector for DC/DC, shunt configuration and cell monitoring
- ✓ Inverter suitable power supply stud
- ✓ 300A rated battery connectors
- ✓ Designed and fully assembled in Australia

Specs

CAPACITY

The Cangoee Powermate is available in 110Ah capacity. Capable of providing 100A continuous discharge and 100A rapid charge input. Designed as a full solution providing self sufficient DC/DC and solar charging with bluetooth battery monitoring

POWER

The Cangoee Powermate range is available in the following configurations. 110Ah – 1.32 available kW. Internally integrated configurable 40A DC/DC battery charger with ignition trigger, Smart Shunt with BT connectivity, optional 75V/15A Smart Solar Controller with Powermate Mini Hub. Internal BMS manages both over current and low voltage disconnect ensuring the Cangoee lithium battery is protected.

INSTALLATION

Common installations include behind or under seats, adjacent to slide out storage assemblies and utilising voids and unused spaces. Efficient dual battery / DC/DC charger with BT battery monitoring kit ready for installation.

FUTURE-PROOF

The complete system packaged in a robust, strong aluminium enclosure is built to last so that you can transfer the Powermate from vehicle to vehicle, taking your trusted dual battery system with you into your next vehicle.

WARRANTY

5 years.



Technical specifications

	POWERMATE BANK	POWERMATE NODE	POWERMATE MINI HUB
PART NUMBER	CANR110BA	CANR110NO20	CANR110NO20S15
OVERVIEW	110Ah lithium iron battery bank with 100A BMS. Requires external charging device.	110Ah lithium iron battery node with 100A BMS and integrated 20A Smart DC/DC charger.	110Ah lithium iron battery mini hub with 100A BMS and integrated 20A Smart DC/DC charger and MPPT Solar Controller 75V/15A with BT connectivity.
CAPACITY	110Ah	110Ah	110Ah
INTEGRATED 20A DC/DC CHARGER	-	✓	✓
IGNITION TRIGGER DC/DC OPTION	-	✓	✓
SOLAR CONTROLLER	-	-	Smart MPPT Solar Controller Input 75V and Output 15A
INPUT / OUIPUT CONNECTOR	High current 6mm bus stud with automotive multipin connector	High current 6mm bus stud with automotive multipin connector	High current 6mm bus stud with automotive multipin connector
NOMINAL VOLTAGE	12.8V	12.8V	12.8V
CHARGE VOLTAGE	14.8V	14.8V	14.8V
FLOAT VOLTAGE	13.6V	13.6V	13.6V
CHARGE CURRENT	100A	100A	100A
DISCHARGE CURRENT	100A max cont. 200A surge	100A max cont. 200A surge	100A max cont. 200A surge
OPERATING TEMP	0 - 45°C	0 - 45°C	0 - 45°C
WEIGHT	11.8kg	11.9kg	12.4kg
LIFE @ 80% DOD	2000 cycles	2000 cycles	2000 cycles
LIFE @ 50% DOD	5000 cycles	5000 cycles	5000 cycles
SIZE	L - 295mm (with handle: 330mm) H - 230mm D - 140mm	L - 295mm (with handle: 330mm) H - 230mm D - 140mm	L - 295mm (with handle: 330mm) H - 230mm D - 140mm
BMS PROTECTED	✓	✓	✓
LOW SOC PROTECTIVE CUT-OUT	✓	✓	✓
AUSTRALIAN DESIGN, MANUFACTURER & SUPPORT	✓	✓	✓



Australian designed, engineered, supported and manufactured.

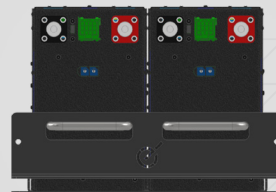


Quick rack and stack Cangoee Powermate, removal and mobile ideal for camping. Perfect for the manufacturer or integrator that needs the ability to mix and match and expand.



110Ah

or



220Ah

or



660Ah