

You Can Go anywhere, with Energy Everywhere

off-grid / on-grid

The Power Hub Extends the entire power family with a vehicle specific integration to deliver a plug and play solution for all vehicle power needs. All Power Hubs utilise a combination of Bank, Node or Master batteries. To further enhance the customer experience a smart shunt, MPPT solar controller and two levels of battery protection are included. Installation is simple and efficient with a installation kit and manual included.

The unique and versatile Power Hub specifically designed for motor body builders, canopy manufacturers, emergency vehicles and specialised vehicles builds.

Constructed in Australia using the latest high quality prismatic lithium iron phosphate cells, the smart, sleek design comes in a robust aluminium case, and is the 'heavy duty' force in the Cangoee Power Family.

With its simple customer interface panel, the Cangoee Power Hub comes in a 110/220Ah configuration, providing up to 200A of continuous discharge, and can combine both DCDC and solar charge inputs for faster simultaneous charging.

The Cangoee Power Hub Family delivers a cost effective 4WD, canopy and camper system solution in a time tested package, engineer verified with installers kit for a simple and efficient installation.

Trusted by Australian
Emergency Services

on-demand

- ✓ Integrated twelve channel electronic digital switching, circuit protection and power control unit
- ✓ Configurable and upgradeable PCU
- ✓ Configurable strategic power load shedding
- ✓ Plug and play CAN bus Cangoee battery monitoring and digital switching touch screen
- ✓ Plug and play CAN bus Cangoee tactile digital remote head switch panel.
- ✓ Advanced compact all in one system within installation chassis.
- ✓ Slim form factor in multiple configurations designed and fully assembled in Australia
- ✓ Engineer Verified System
- ✓ Easy to navigate user interface panel
- ✓ Smart Shunt with Bluetooth connectivity
- ✓ Smart MPPT Solar Controller 75-15 (110) or 100-20 (220)
- ✓ Dual level battery protect.
- ✓ Circuit isolation switch for safety
- ✓ Plug and play raw unregulated solar input - Red Anderson
- ✓ Plug and play DCDC charging input - Blue Anderson
- ✓ AC charging input - Black Anderson
- ✓ Parallel Grey Anderson 12V output
- ✓ Inverter suitable power supply stud
- ✓ Common earth stud

Specs

Capacity

The Cangoee Power Hub Family is available as a 110Ah and 220Ah configurations.

110AH POWER HUB

- iv. 100A continuous
- v. 200 surge discharge
- vi. 100A rapid charge input.

220AH - POWER HUB

200A CONTINUOUS

- iv. 200A continuous
- v. 400 surge discharge
- vi. 200A rapid charge input.

Designed as a full solution for efficient dealer installations or as a DIY kit.

Power

The Cangoee Power Hubs are available in the following configurations.

110Ah - 1.32 available kW.

220Ah - 2.64 available kW.

Internally integrated twelve channel PCU with load shedding, CAN bus battery monitoring and digital switching.

Internally integrated configurable 40A DCDC battery charger with ignition trigger.

110Ah Power Hub - Smart MPPT Solar Controller 75-15 with Bluetooth connectivity.

220Ah Power Hub - Smart MPPT Solar Controller 100-20 with Bluetooth connectivity.

Internal BMS manages both over current and low voltage disconnect ensuring the Cangoee lithium battery is protected.

Installation

Its unique design format makes it the perfect battery for a seamless integration solution where space is at a premium. The power solution of choice for emergency service vehicles, large corporate fleet, 4WD, canopy and the motor body building industries, this exceptional battery, charging and distribution system can be efficiently installed into your vehicle in under an hour.

Future-proof

The sturdy aluminium outer enclosure delivers a safe and powerful unit that has been fully tested to withstand the toughest Australian conditions. Quality components and the ability to be relocated gives scope for use outside the vehicle.

Warranty

5 years.



Technical specifications

	CANGOEE POWER HUB 110 PCU (DRAWER)	CANGOEE POWER HUB 220 PCU (DRAWER)	CANGOEE POWER HUB 110 PCU (CANOPY)	CANGOEE POWER HUB 220 PCU (CANOPY)
PART NUMBER	CAN11040S1D PCU	CAN22040S2D PCU	CAN11040S1C PCU	CAN22040S2C PCU
OVERVIEW	110Ah Lithium Iron Battery Drawer Power Hub (PCU) with 40A DCDC	220Ah Lithium Iron Battery Drawer Power Hub (PCU) with 40A DCDC	110Ah Lithium Iron Battery Canopy Power Hub (PCU) with 40A DCDC	220Ah Lithium Iron Battery Canopy Power Hub (PCU) with 40A DCDC
CAPACITY	110Ah	220Ah	110Ah	220Ah
INTEGRATED 40A DCDC CHARGER	✓	✓	✓	✓
IGNITION TRIGGERED DCDC CHARGER	✓	✓	✓	✓
INPUT/OUTPUT CONNECTOR	M6 BUS STUD, MCP & ANDERSONS	M6 BUS STUD, MCP & ANDERSONS	M6 BUS STUD, MCP & ANDERSONS	M6 BUS STUD, MCP & ANDERSONS
NOMINAL VOLTAGE	12.8V	12.8V	12.8V	12.8V
CHARGE VOLTAGE	14.6V Max	14.6V Max	14.6V Max	14.6V Max
FLOAT VOLTAGE	13.6V	13.6V	13.6V	13.6V
CHARGE CURRENT	100A	100A	100A	100A
DISCHARGE CURRENT	100A max cont. 200A surge	200A max cont. 400A surge	100A max cont. 200A surge	200A max cont. 400A surge
OPERATING TEMPERATURE	0-45°C	0-45°C	0-45°C	0-45°C
WEIGHT	18.5kg	32.9kg	18.5kg	32.9kg
LIFE AT 80% DOD	2000 cycles	2000 cycles	2000 cycles	2000 cycles
LIFE AT 50% DOD	5000 cycles	5000 cycles	5000 cycles	5000 cycles
SIZE	L - 1060mm W - 268mm D - 61mm	L - 1060mm W - 268mm D - 112mm	L - 1060mm W - 268mm D - 61mm	L - 1060mm W - 268mm D - 112mm
BMS PROTECTED	✓	✓	✓	✓
LOW SOC PROTECTIVE CUT-OUT	✓	✓	✓	✓
AUSTRALIAN DESIGN, MANUFACTURE & SUPPORT	✓	✓	✓	✓
MONITORING AND SERVICE INTERFACE CONNECTION	✓	✓	✓	✓
BLUETOOTH INTEGRATION	✓	✓	✓	✓
VICTRON SMART SOLAR MPPT 75/15	✓		✓	
VICTRON SMART SOLAR MPPT 100/20	-	✓	-	✓
VICTRON SMART SHUNT 500A	✓	✓	✓	✓
VICTRON BATTERY PROTECT SMART - 12V 65A	✓	-	✓	-
PCU - ELECTRONIC CIRCUIT PROTECTION	✓	✓	✓	✓
PCU - ELECTRONIC CIRCUIT CONTROL	✓	✓	✓	✓
PCU - ELECTRONIC CIRCUIT MONITORING	✓	✓	✓	✓
MCP SERVICE PORT	✓	✓	✓	✓



Australian designed, engineered,
supported and manufactured.



Optional extras

✓ Vehicle Specific Plug & Play
Assembly Kits

✓ Canopy Installation Kits

✓ Strategic System
Integration Options Canopy
[Part#CAN11040S1C-PCU /
CAN22040S2C-PCU]

✓ Drawer Mount Assembly
[Part#CAN11040S1D-PCU /
CAN22040S2D-PCU]

✓ Mounting Bracket Optional

✓ Cable Connection Kit

✓ Advanced Switching
Configurations

✓ Monitoring Kit