

You Can Go anywhere, with **Energy Everywhere**

off-grid / on-grid

The Cangoee Power Control Unit (PCU) is a power distribution unit designed to work stand alone or in conjunction with our CANbus range of products.

The PCU replaces the conventional fuse box, utilising a time tested digital architecture controlling power to a range of equipment within the vehicle.

Advanced configurable digital switching and intelligent self resetting digital fusing, protects against overload and monitors the current draw of each output. It also allows for staged shutdown of outputs when the battery is heavily discharged. User programmable output control makes the PCU a complete power management tool.

The Cangoee PCU transforms the way electrical systems are integrated into most common vehicle, 4WD, and caravan applications.

- / Plug and play options reducing system installation time and utilising a general labour skillset.
- / Reduction of system componentry simplifying BOM's and the procurement process.
- / Flexibility of design enabling efficient modular manufacturing.
- / Simplicity of system design eliminating the requirement for highly skilled technicians.
- / Simple QA or fault finding process.
- / Redundancy of common analogue components removing clutter and points of failure.

Capability to add in other Cangoee products, simply and efficiently exploiting the Cangoee CANbus.

- / Cangoee Touch Screen – Battery Monitoring
- / Cangoee Touch Screen – Digital Switching
- / Cangoee Input Output Module
- / Cangoee vehicle CANbus module

It allows you to work smarter, more efficiently, utilise general labor resources and tap into the OE functionality. A significant opportunity for your business from efficiencies, profits and a point of difference over your competitors.



on-demand

- / Complete Power Control Unit—replaces conventional fuse box
- / Auto Reset Intelligent Fusing
- / High power outputs with built in overload and short circuit protection
- / Live monitoring of each individual output
- / Ability to include battery state of charge
- / Staged shut down to prolong battery life for essential equipment
- / 3 Digital inputs to control output functions
- / 2 Digital outputs to control external equipment. e.g. PC / MDT low power shutdown
- / Shut down timers, turns off equipment after pre-set time delay
- / Configurable outputs and shutdown characteristics to meet customer's requirements
- / CAN 2.0 interface to communicate with CANbus
- / USB B Port for user GUI programming and monitoring
- / Compact size
- / Ultra low RF emission (Sub -110 dB for frequency range 75 MHz to 900 MHz)
- / Vehicle connectivity

Specs

OPERATING VOLTAGE

Nominal: 12VDC

TYPICAL CURRENT DRAW

Low power mode: 30mA @ 12VDC

Operating mode: 50mA @ 12VDC

USB mode: 65mA @ 12VDC

ENVIRONMENTAL

Operating temperature: -20 to 70 degrees Celsius

Relative humidity (RH): 5 – 95% non-condensing

PHYSICAL DIMENSIONS

155mm x 110mm x 28mm

WEIGHT

Approx. 28 grams

DIGITAL I/O

3 x wired inputs

2 x digital inputs

ANALOGUE INPUT

1 x Current shunt input for SOC

POWER OUTPUTS

14 x wired outputs

- 2 x 15A channels

- 4 x 10A channels

- 8 x 5A channels

Max combined load 80A @ 25°C ambient temperature

COMMUNICATIONS INTERFACE

USB2.0 and CAN2.0

SYSTEM STATUS INDICATOR

LED for status indication

APPLICABLE STANDARDS

Meets or exceeds the following
AS/NZS 425.1.1 – EMC Compliance
ISO 7637.2 – Transient immunity
RoHS Compliance

WARRANTY

1 year.

Cangoee Power Control Unit

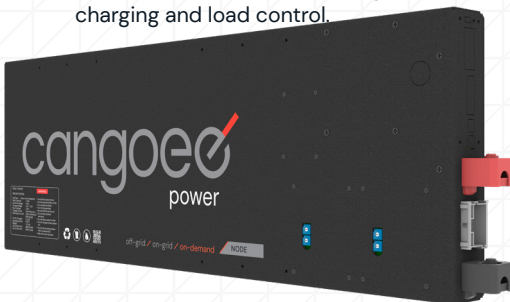
Inputs

Integrate peripheral components utilising the PCU and reconcile your processing and BOM's



Cangoee Power Supply

Designed with vehicle integration in mind. Multiple form factors with integrated charging and load control.



Configurations

Access to diagnose and support your customers. Access the support through the Cangoee Engineering Team and maintain focus on your core day to day business. Utilise the Cangoee PCU GUI software to modify your system configurations.



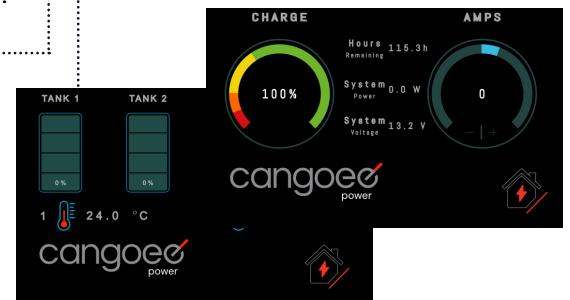
Cangoee PCU

Strategically position the PCU, streamlining manufacturing to reduce labour, looming and installation time. Seamlessly utilise OE advanced control, transforming how your product is delivered to your customers.



Cangoee Remote Control Head

Simply locate touch panel where it best suits your application with plug and play simplicity



Cangoee Touch Screen

Simply locate the monitoring & control touch screen where it best suits your application with plug and play simplicity.



Australian designed, engineered, supported and manufactured.

