



## Large Modular Battery Packs (LMB)

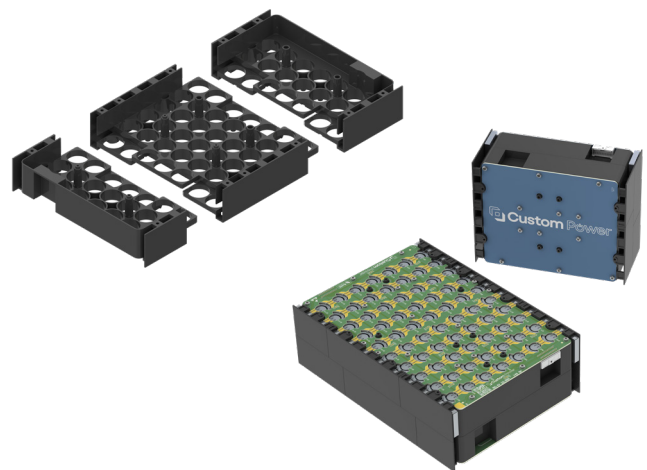
### Highly Modular & Configurable Battery Solutions

The Custom Power Large Modular Battery (**LMB**) is made up of three separate injection-moulded building blocks that connect to meet the voltage and capacity needs of your specific application.








Configure your parallel connected cells in 5P increments to increase capacity, and increase series connected cells from 7S (**24V**) up to 224S (**830V**).

Our integrated Battery Management System (BMS) with CAN communication utilizes passive cell balancing, facilitates charger control and has flexible GPIO features.

The Large Modular Battery (**LMB**) also includes a custom wire-bonded board and extruded aluminium enclosure that can be scaled in length and configuration based on the current and voltage requirements of the module.



Some typical applications for this type of product include:

-  Agricultural automation.
-  Construction tooling.
-  Mining operations.
-  Logistics automation.
-  Defense & Security applications.
-  Robotics.
-  Back Up Power Systems.

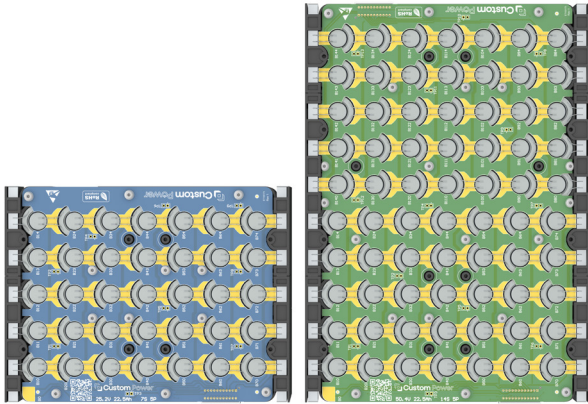


## Standard 24V & 48V modules









Custom Power Large modular battery packs are meticulously designed for reliable continuous daily usage in harsh environments where shock, vibration, and varying temperatures are likely to be experienced.

Currently in development, the modules will be available in both 24V and 48V formats off the shelf but can be scaled up according to your application requirements.

Our standard 24V model is made up of a 25.2V, 22.5Ah, 567Wh brick, and our 48V model is made up of a 50.4V, 22.5Ah, 1.134kWh brick. The standard enclosure is designed to meet IP54 rating with the custom aluminum enclosure.



## Key feature overview

-  Highly modular system with customizable configurations.
-  Utilizes any 21700 cells.
-  Can be increased in 5P increments.
-  Voltage range: **24V - 830V**.
-  Utilizing power cells allowing discharge rates of 3C+.
-  Integrated Battery Management System (BMS) with CAN communications (**option for J1939**).
-  Passive cell balancing, charge control & other GPIO.
-  Active or passive thermal management control.



## Require a more bespoke solution?

We continue to invest in facilities & resources to maintain our position at the forefront of custom battery manufacturing. Whether customizing existing battery products or producing full custom designed battery packs, we have the capability to support you.

With Custom Power you can be confident of a professional, no compromise quality service, using the very latest battery technologies.

If you have a battery pack requirement, contact us on **+1 (714) 962-7600** or email [sales@custompower.com](mailto:sales@custompower.com).

For more information regarding our battery solutions visit [www.custompower.com](http://www.custompower.com).



Datasheet\_Batteries\_LMB\_Overview\_V04

Technical specifications are subject to change without notice. E & OE Issue A.

