

# VBMS LITE

VBMS Lite is a complete power management system designed to facilitate both split charging and flat battery protection and control on two independent battery banks. The VBMS Lite Hub controls charge to each battery bank and also how much each they supplement during discharge. VBMS Lite also allows battery banks to be turned on and off via control switches on the vehicle dash and automatically protects each battery bank from over-discharge prolonging their life.

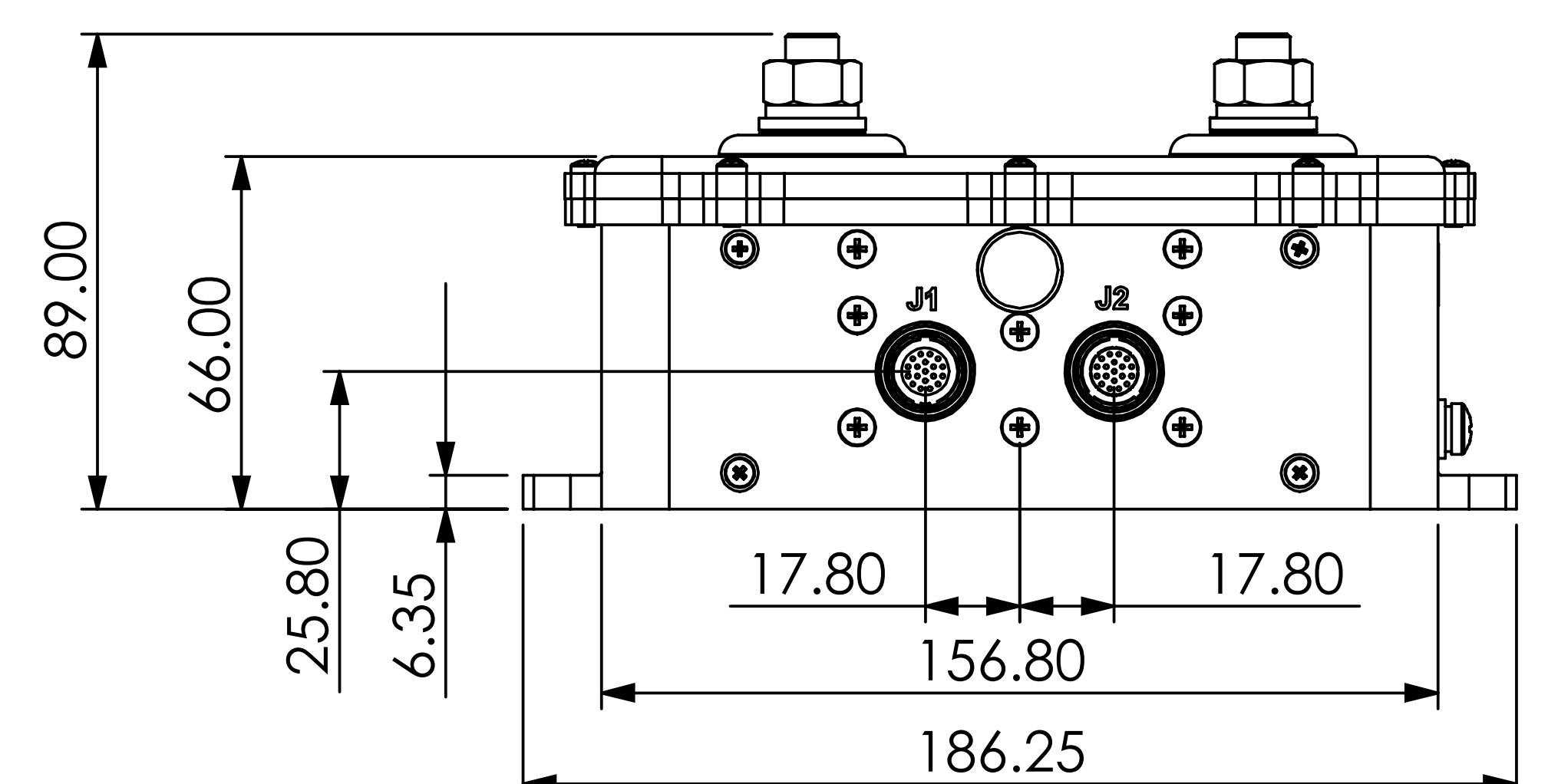
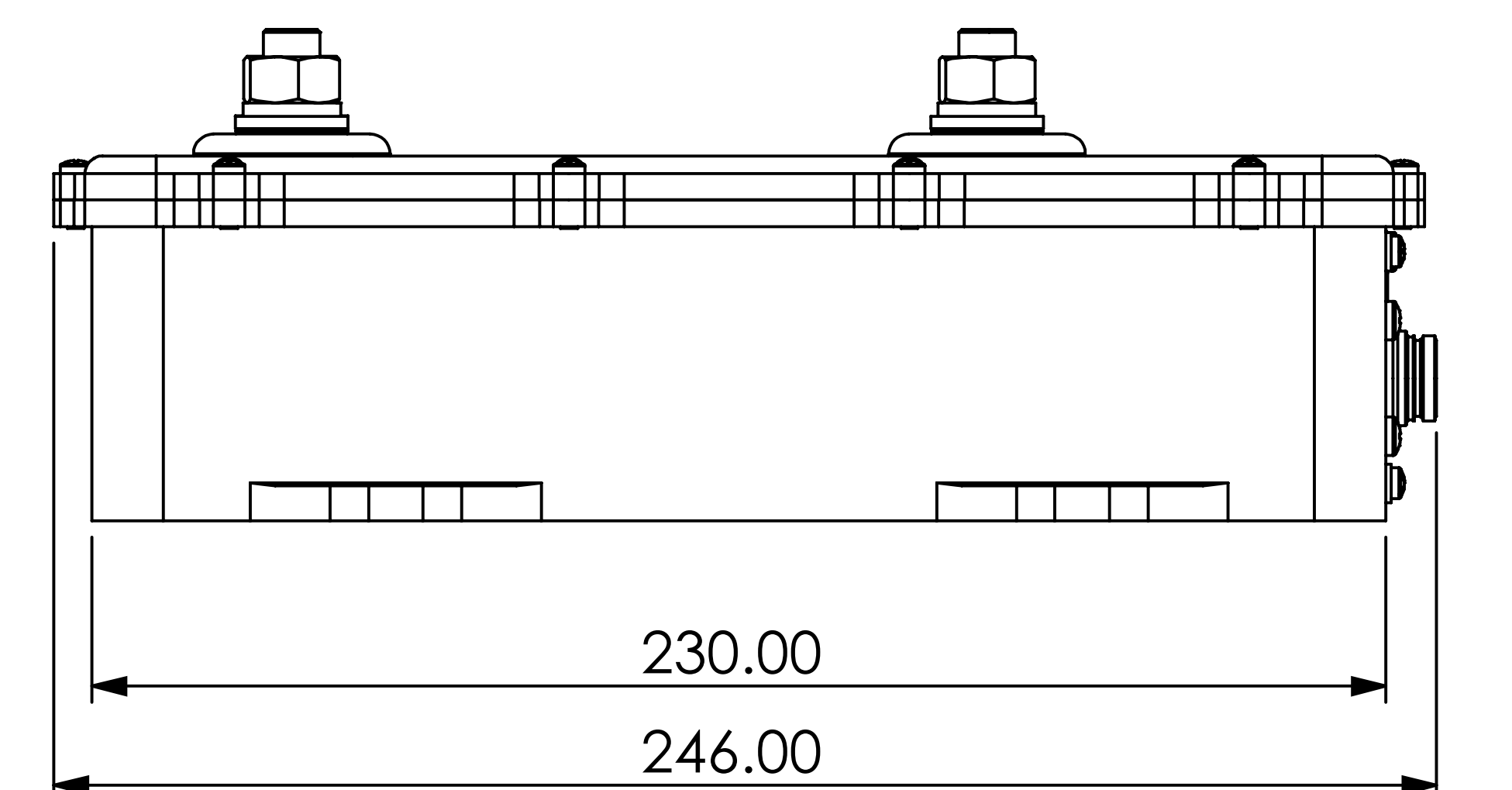
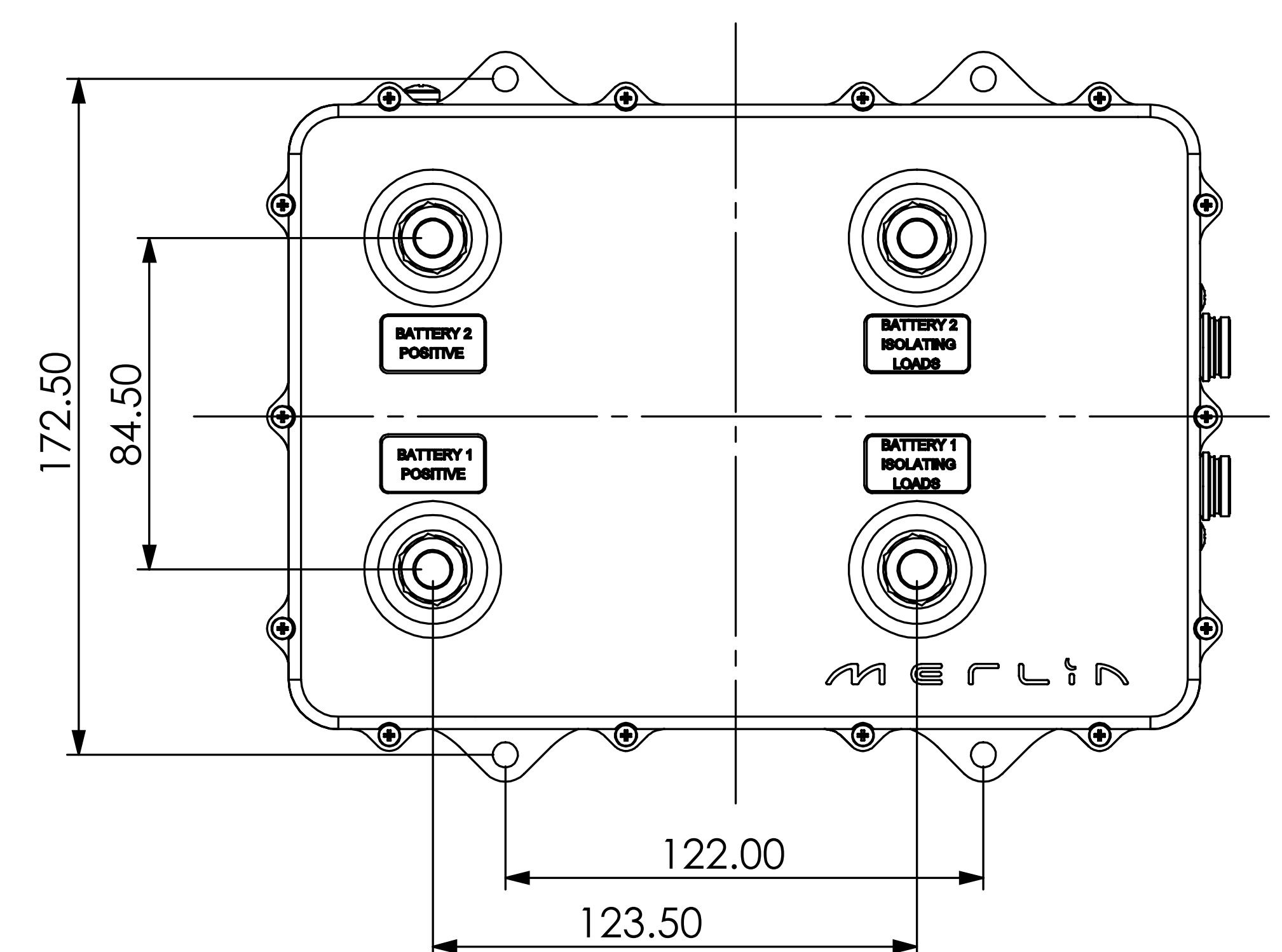
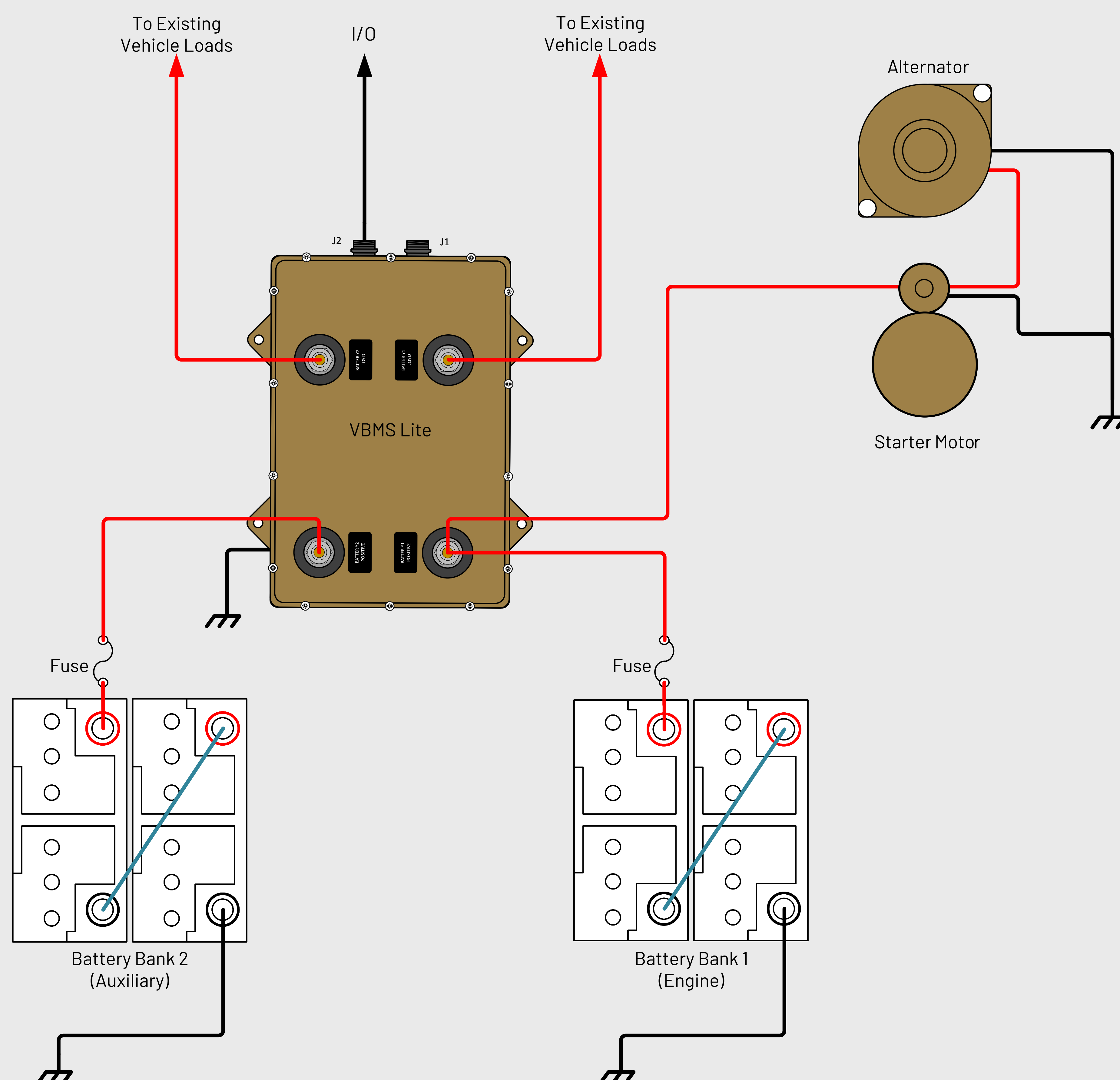
This automated system is configured in software for different vehicle types accommodating different battery setups and mission profiles.

VBMS Lite can improve silent watch times by 25-50% by "power sharing" during discharge. By ensuring batteries work within their design parameters, vehicles are also far less likely to experience "power brownouts" during missions - which are a serious safety issue. Battery replacement costs are also reduced as well as fuel usage and engine maintenance. Can be fitted independently or combined with Merlin's advanced DataCell IIe battery monitor

- **Suitable for up to 2 battery banks**
- **Intelligently controls Power Demands** to maintain the best charge / discharge efficiency and protect batteries from damage
- **Improves crew safety** as well as saves money on unnecessary battery replacements and fuel
- **Designed to military specifications**

## Installation Example:

The overview below shows a two battery bank installation.



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