Electrifuel

Electrifuel's CBMS

Your Batteries Data, All at a Glance!

Revision-B

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Technical Specifications -

Items	Values
Operating voltage	12v
Data display	**Individual Battery data-** Cell and pack voltages, Temperature, Status, Current, SOC, SOH, Cycles, FET status, Energy delivered Total and last cycle, Uptime, Battery Identifier. **Common Bank data-** Voltage, Current, SOC, Number of batteries connected, Energy Delivered Total, and Last cycle.
Communication	CAN, RS232, RS485
Wireless communication	Telematics Enabled
Ports Format	RJ11, RJ45, Type-c
Dimensions(l*b*h)	190*130*40mm

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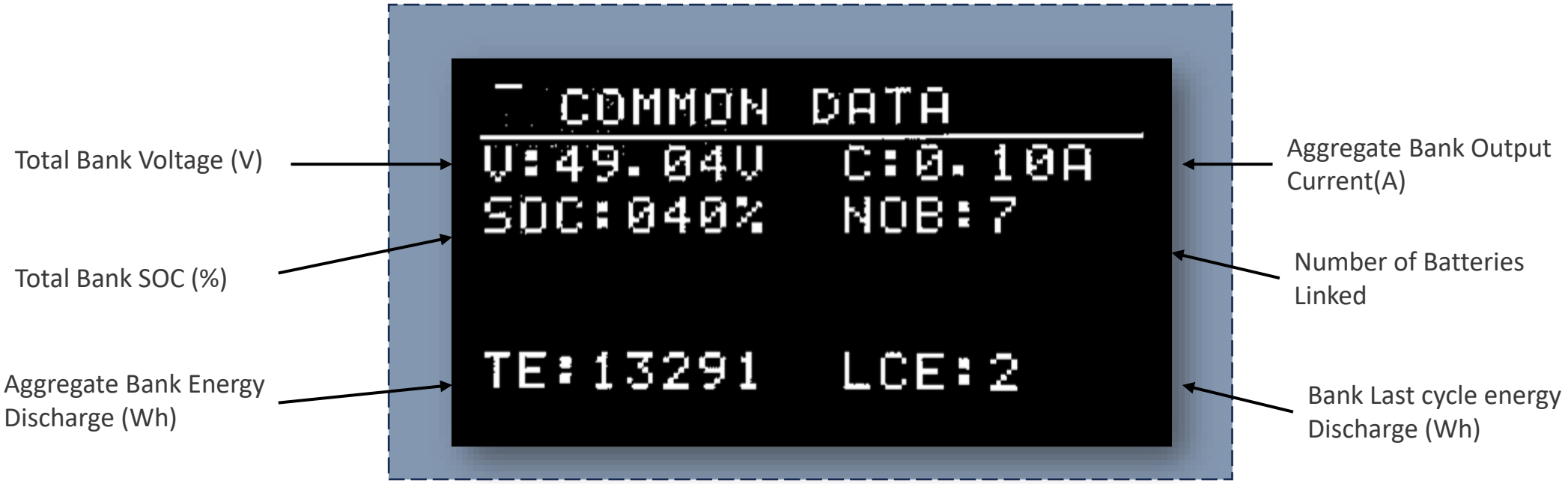
Data Displayed on screen AS per TSEC Requirement's-

1) Common Data



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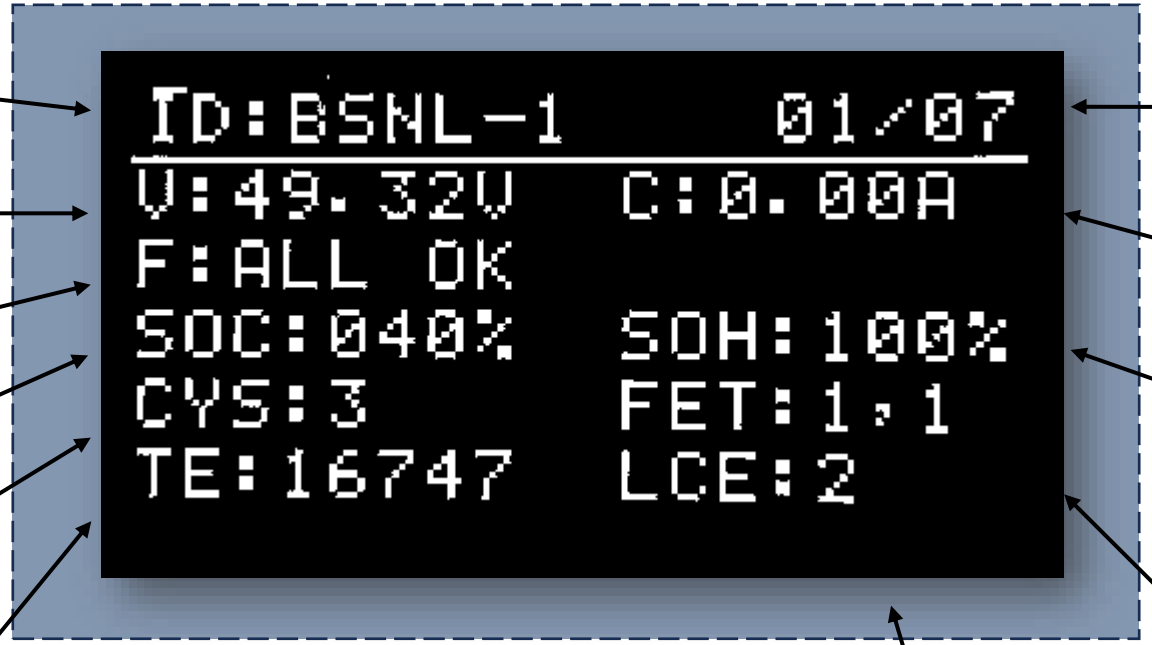
2) Individual Battery Data



Individual Battery Unique Name

Individual Battery Voltage (V)

Individual Battery Fault Status

Individual Battery SOC%

Individual Battery Cycles Count

Aggregate Individual Battery Energy Discharge (kWh)

Battery Identifier/Number of Connected Batteries

Aggregate Individual Battery Output current (A)

Individual Battery State of Health %

IndividualBattery MOSFET Status, 1 Indicates ON, 0 Indicates OFF.
1st bit for charging, 2nd bit for Discharging

Individual Battery Last cycle energy Discharge (kWh)

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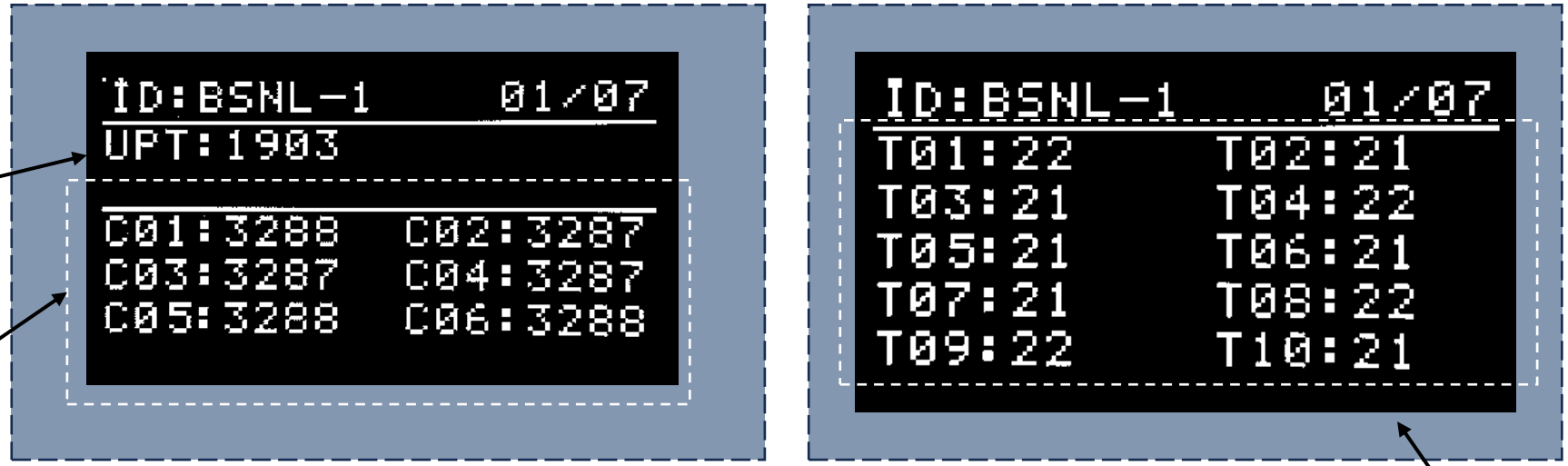
i) Individual Battery Data



Individual Battery Uptime (Minutes)

Individual Battery Cell Voltage Data, C01 - Data for the 1st Cell"

Individual Battery Temperature Data, T01 - Data for the 1st Sensor"

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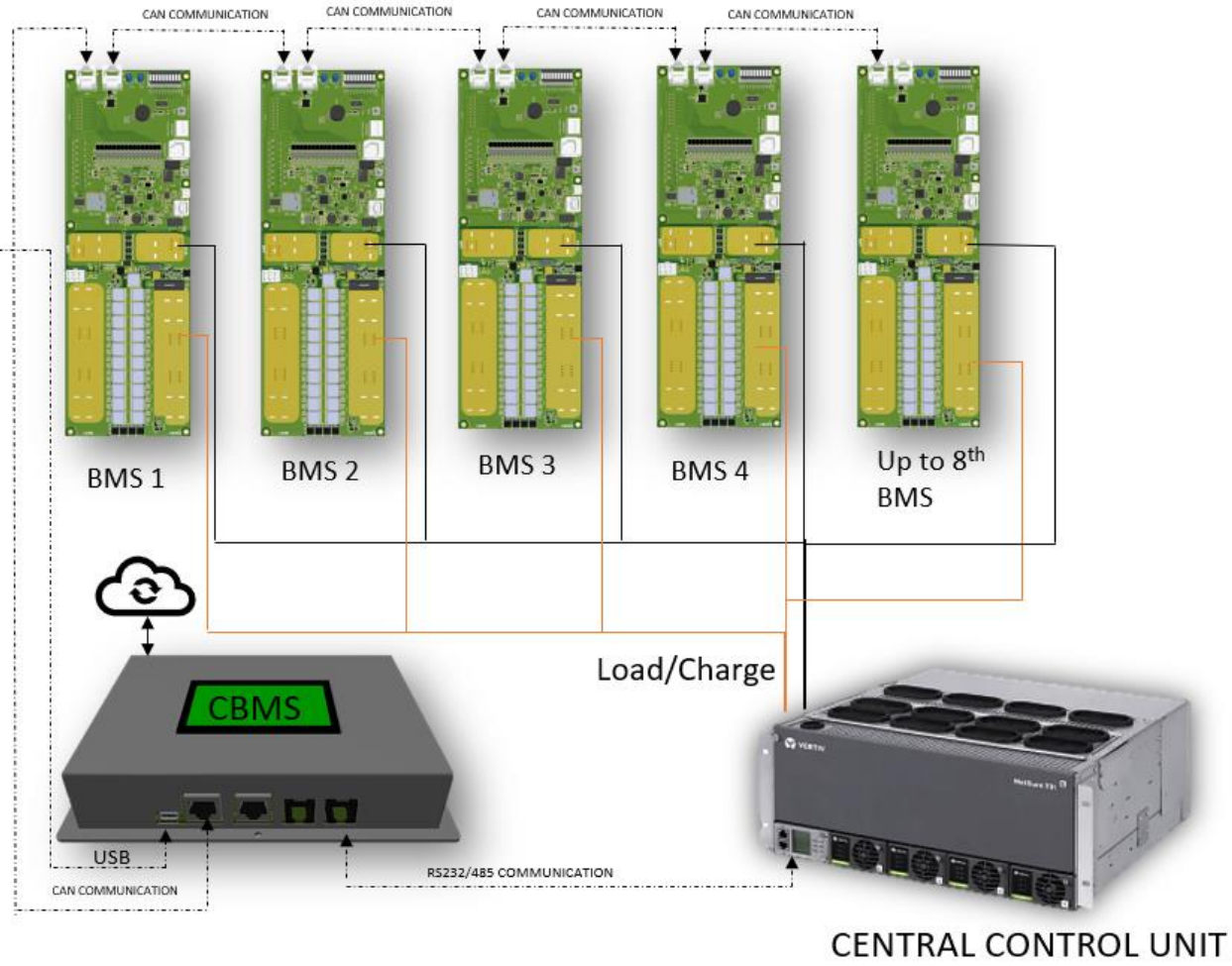
CBMS: Battery Communication and Centralized Control.

With its OBD feature, CBMS enables real-time monitoring and parameter management, allowing users to access live data for proactive decision-making and optimal performance of battery systems.

CBMS seamlessly interfaces with batteries, capturing and consolidating comprehensive data for display on its user-friendly screen. Moreover, it efficiently communicates with the Central Control Unit (CCU), relaying essential battery information to ensure optimal performance. With its built-in IoT capabilities, CBMS goes a step further by transmitting real-time data to a centralized portal, enhancing remote monitoring.



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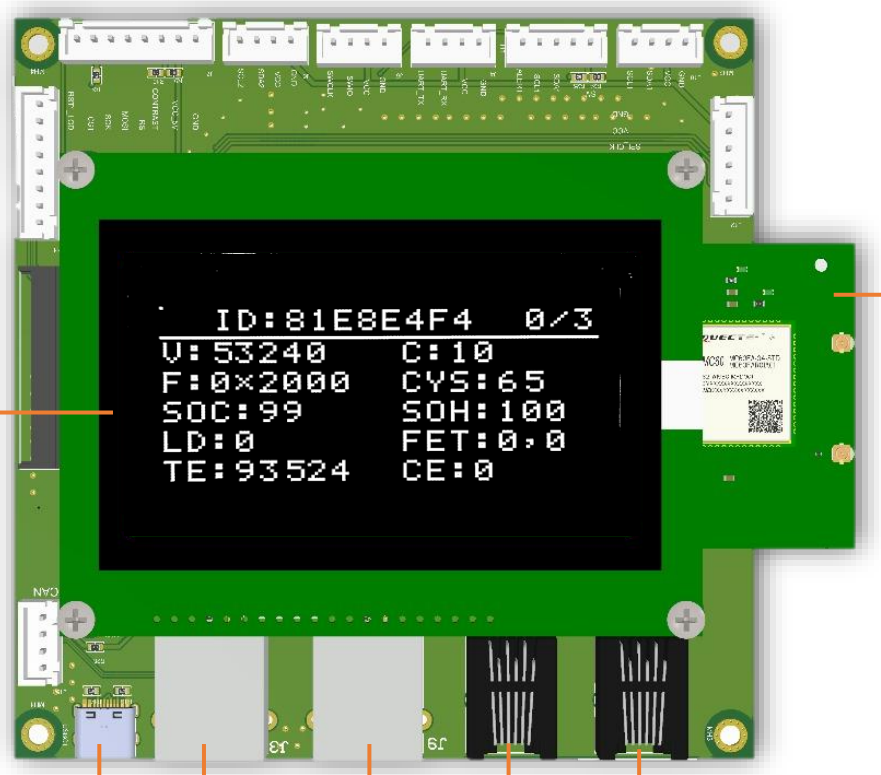
Connections Details -



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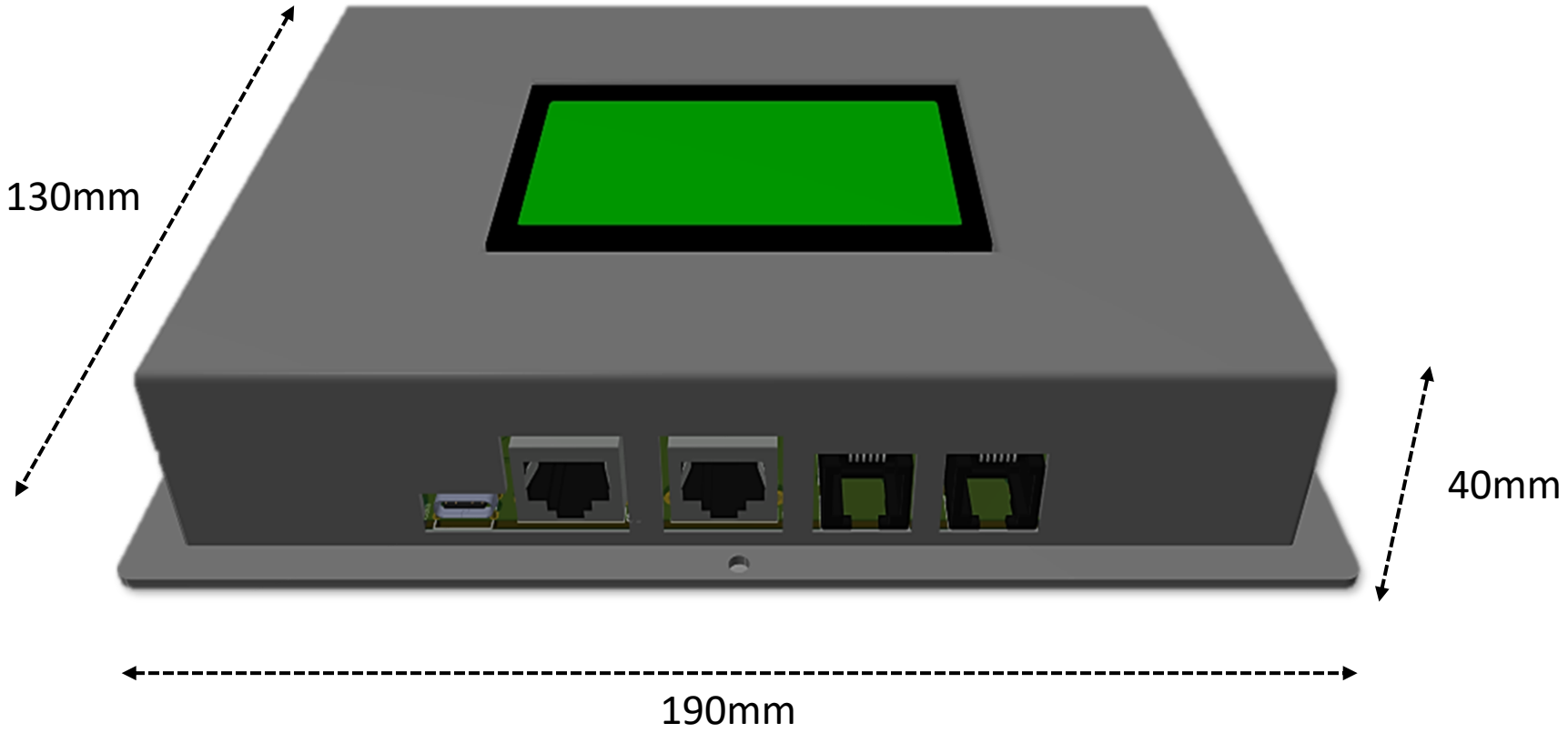
Dimensions Details -



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Revision History -

Revision no	Date	Description
A	12-03-23	Document created
B	10-08-23	Updated Parameters