



Achieve greater battery fleet efficiencies and performance with industry-leading battery monitoring and reporting.

The BMMConnect Battery Monitoring Module sets the standard in motive battery fleet management with its comprehensive range of battery monitoring, logging and analysis capabilities.

The BMMConnect is the ideal solution for battery installations where battery life history logs are required to monitor battery health and record energy throughput for warranty purposes. While, the addition of *Bluetooth*[®] allows for easy data retrieval using Android devices.

When used with the EcoCHARGE Modular Chargers BMMConnect optimizes charging through real-time monitoring of the battery voltage and temperature, removing the need to have a dedicated charger for each battery type and capacity. Once the BMMConnect is programmed with all the required battery information and connected to the charger voltage capacity, the profile information is sent directly to the charger.

It features a dual profile operation for installations that require opportunity/fast charge and maintains battery health through the use of a secondary profile to restore the battery to 100% SOC. It also records alarm events i.e. battery over temperature low electrolyte throughout the history of the battery.

KEY FEATURES

- Automatically programs all EcoCharge chargers with the correct battery charge profile.
- Dual Profile configuration to optimize battery health and SOC for opportunity or fast application.
- Records all battery events including temperature, charge and discharge cycles.
- Current sensing up to +/- 1300amps.
- Midpoint voltage monitoring.
- Electrolyte level sensor.
- Auto-initiated equalizes and auto watering cycles.
- Temperature probe, senses battery temperature throughout the complete charge cycle, continually adjusting the charge profile.
- Communicates to chargers through existing battery cables, no additional wires or connectors required.
- Rugged case construction resists impact, water, and battery electrolyte spills.
- *Bluetooth*[®] Class 1 for improved range.

SPECIFICATIONS

Nominal Voltage:	24-80V DC
Operating Voltage:	14-150V DC
Operating Temperature:	-20°C to +70°C
Voltage Measurement:	Continuous monitoring of overall battery voltage and battery mid-point voltage
Current Measurement:	Continuous monitoring of all battery charge discharge events up to 1300A
Data Logged:	Data log – last 14 days, 1 sample/minute Charge log – 4096 logs stored at the completion of each charge/discharge Daily log – records daily log of key battery operating parameters Alarm log – 8192 events Charge counters – 36 different battery parameters are logged, including AHr throughput
Alarms:	Low temperature High temperature Battery voltage imbalance Electrolyte level low Depth of discharge State of health
Temperature:	Temperature sensing via external sensor
Electrolyte Level Detection:	With electrolyte sensor
Interface:	Power line carrier via battery cable connection
Indicator:	RGB LED, indicates operating, Comms OK, Alarm present and Bluetooth active
Real Time Clock:	Time keeping and stamping of data
Data Collection:	Upload data to PC or Charger Network Management Systems (CNMS) via charger. Upload data to Android Tablets via Bluetooth® .
Supply Power Consumption:	0.45 Watt
Protection:	Over voltage, reverse polarity protection
Packaging:	Water and acid resistant
Dimensions (L x W x H):	110 x 55 x 25mm
Weight:	330g
Bluetooth® :	Class 1

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