FEATURES
- Networkable Monitoring of Battery
- Manages up to 12 Cells
- COM Port Connection to Charger
- 12 Bi-Color LED’s for Cell Health
- 3 Channel Display for Cell Voltage
- Relay Contact for Alarm Function
- Meets AREMA C Standards

DESCRIPTION
The Trilogy Battery Management System (BMS) meets all the AREMA Class C standards for temperature, shock and vibration, EMC and dielectric strength.

The Trilogy Battery Management System (BMS) allows the user to monitor a battery bank (up to 12 cells), either Lead Acid or NiCad. The BMS accepts inputs from a series string of battery cells and passes that information to any Trilogy Battery Charger through a COM Port. Each battery cell is monitored individually and logged via the Trilogy Battery Charger. The BMS will determine whether or not a battery cell is out of range and then activates a relay contact to indicate an alarm. The battery charger will immediately log the alarm and send to back office via Ethernet.

The Trilogy Battery Charger and BMS can present their information in real-time through an Ethernet Port and a PC Application. The system utilizes an internal data logger to provide information to the user remotely whenever desired. A technician can see the status of 12 Bi-Color LED’s on the front panel of the BMS. Each LED corresponds to a cell. If the LED is green, the corresponding cell is within an acceptable range and if it is red, the cell needs further examination. In addition to the LED’s, three 7 segment displays will indicate the actual cell voltage (i.e. 2.25 as an example). The 7 segment display scrolls through all connected cells. The Bi-Color LED will flash to denote which cell is being displayed. A “Freeze” button is provided so the user can lock the display to continuously monitor a particular cell.

ELECTRICAL SPECIFICATIONS
- Input Voltage (provided by Trilogy Charger): 10-19VDC
- Maximum Input Power: 6W
- COM Link: Differential 422
- Maximum Cells Monitored: 12
- Maximum Cell Voltage: 2.8V
- Min Operating Temperature: -40°C
- Max Operating Temperature: +70°C
- Alarm Relay Contact Rating: 2A

MECHANICAL SPECIFICATIONS
- Height: 4 in
- Width (excluding mounting tabs): 8 in
- Depth: 1 in
- Weight: 4 lbs

ORDERING INFORMATION

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<th>Item</th>
<th>Catalog Number</th>
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<tbody>
<tr>
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