

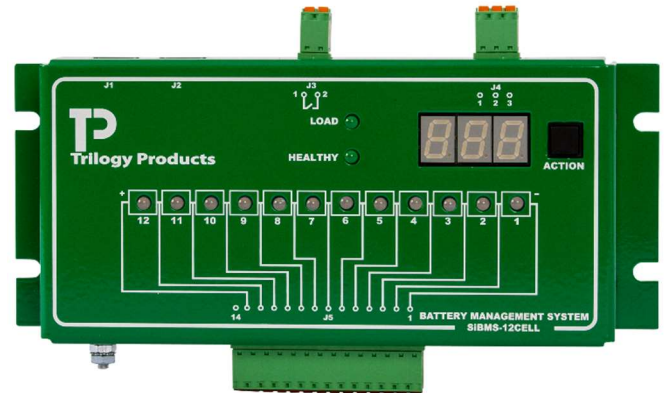
FEATURES

- **Monitors up to 12 Cell Battery**
- **Direct Connection to Charger**
- **12 Bi-Color LEDs Indicate Cell Health**
- **3 Digit Cell Voltage Display**
- **Relay Contact for Load Test Function**
- **Meets AREMA 11.5.1 for Class C Equipment**

OVERVIEW

The Trilogy Battery Management System (BMS) allows the user to monitor a battery bank, up to 12 cells, for cell voltage. Additionally the BMS can engage an automatic load test of the battery either manually or at a programmable time interval. When connected to a Trilogy Products battery charger, the battery charger can configure and communicate with the BMS. This adds retrievable logging of BMS testing and monitoring data to the battery charger system.

The BMS provides an interface to an external load (Part # SiBMS-LOAD) for stress testing of the battery. If the battery is fully charged, the user can perform this load test to determine if the AH rating of the battery is acceptable. With the BMS system, this can be done on location, remotely or a programmed interval. The BMS provides an LED that is on when the load is engaged. The built-in data logger in the Trilogy Battery Charger will log the data during test and the final test result. Additionally the battery charger will provide an alarm indication if the BMS test fails for any reason.



ELECTRICAL SPECIFICATIONS

Input Voltage (provided by Trilogy Charger) — 10-19VDC
 Maximum Input Power — 6W
 Maximum Cells Monitored — 12
 Maximum Cell Voltage — 2.8V
 Min Operating Temperature — -40 °C
 Max Operating Temperature — +70 °C
 Load Relay Contact Rating — 10A

MECHANICAL SPECIFICATIONS

SIBMS-12CELL

Height — 4 in
 Width (excluding mounting tabs) — 8 in
 Depth — 1 in
 Weight — 4 lbs

SiLOAD-50W

Height — 4 in
 Width (excluding mounting tabs) — 8 in
 Depth — 1.5 in
 Weight — 5 lbs

ORDERING INFORMATION

Item	Catalog Number
Battery Management System	SiBMS-12CELL
BMS Load (50W at 12V)	SiLOAD-50W



