

LIFELINK[®] SSM

Single String
Remote Battery Monitoring System



“Monitoring your batteries has never been easier.”

- ◆ Remote Battery Monitoring via TCP/IP, Modem, Dry Contact to SCADA
- ◆ Single String Battery Monitoring of 24-48VDC Systems for Traffic Signal UPS/BBS Systems
- ◆ Verifies Proper Battery Operating Environment
- ◆ Prevents Explosive Overcharge Situations
- ◆ Designed to Meet NEMA TS2 environmental specs and CalTrans TEES
- ◆ Easy Installation



THE RISK OF DC BACKUP SYSTEMS

Batteries in any DC UPS system can be subject to “sudden” failures. If your string of four 12V batteries has even one bad cell, the entire string will provide a reduced run time, or it could fail completely, jeopardizing the entire intersection.

With both safety and traffic flow efficiency compromised in a “dark” intersection, a battery monitoring system could keep you from being left in the dark...

The expense and inefficiency of periodically checking batteries at every intersection and maintaining trending records is not only an expensive maintenance nightmare, but even if a battery tests satisfactorily on a monthly or quarterly basis, you still have no protection against sudden failures in your battery string.

A common workaround policy to ensuring that batteries are at optimum output is to routinely replace the batteries in every intersection - in most cases this simply wastes money at three levels: 1) the purchase of new batteries to replace old batteries that are still good performers; 2) the cost associated with replacing the batteries and; 3) the cost associated with the disposing of the replaced batteries. Again you still have no protection against sudden failures in your battery string.

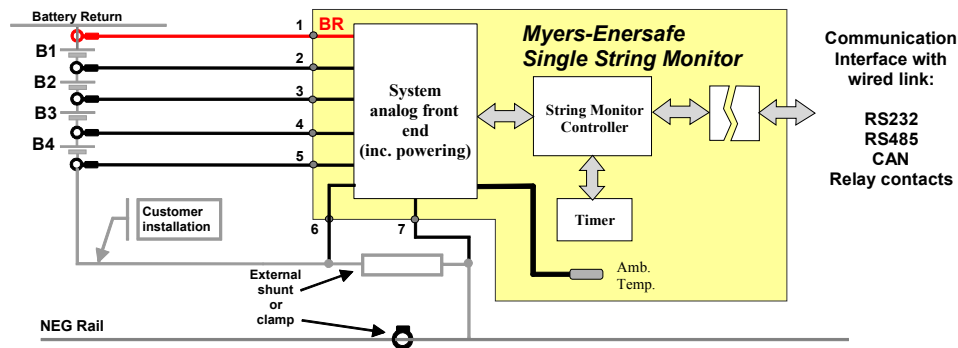
THE SOLUTION FOR DC BACKUP SYSTEMS

The Cost-Effective Myers-Enersafe LifeLink® Solution Provides you with a remote battery monitoring system that tells you WHEN and WHERE you need to change your batteries thereby reducing cost and increasing efficiency:

The LifeLink SSM offers:

- ◆ **System Assurance** by verifying Proper Battery Operating Environment.
- ◆ **Increased Safety** by preventing Explosive Overcharge Situations.
- ◆ **Reduced Exposure** to catastrophic failure and/or loss of service.
- ◆ **Remote Connectivity** via TCP/IP, modem, dry contact to SCADA.
- ◆ **Reduced Maintenance Costs** by reducing or eliminating costly site visits to retrieve Battery Status information.
- ◆ **Reduced Capital Costs** by replacing Batteries **only** as needed.
- ◆ **Easy Installation** by Municipality, Electrical Contractor or Maintenance Group.
- ◆ **Ease of Use** as an Element or Sub-Network for higher level Intersection Management System to SCADA.
- ◆ Meets NEMA TS2 environmental specs and Cal Trans TEES.

LINKLIFE® SPECIFICATIONS



SYSTEM FEATURES

- ◆ **Discharge Detection:**
Via system negative current
- ◆ **Discharge Record:**
Cumulative energy from all discharges (in kWh)
Discharge Event Log (up to 1000 events) consisting of:
 - Date of the Discharge
 - Duration
 - Time to Coup de Fouet (CDF)*
 - Time to Discharge End (battery discharge threshold detected)
 - Coup de Fouet (CDF) Voltage*
 - Plateau Voltage*
 - String Current at Start of Discharge
 - Voltage at Start of Discharge
 - Cumulative Discharge Energy & Cumulative Charge Energy
 - Total Number of Discharges & Number of Short Discharges
 * The Coup de Fouet (CDF) are recorded only when this option is selected.
- ◆ **Short Discharge Definition:**
Customer defined interval (in 1 minute increments)
- ◆ **Total Discharge Energy:**
Cumulative Energy from all discharges (kWh)
- ◆ **Local Alarm Indicator Bi-color LED**
- ◆ **Impedance Reading and Trending (optional)**
- ◆ **Individual Battery Temperature Readings**

SYSTEM LEVEL MEASUREMENTS

- ◆ **DC System Voltage:**
Range: 15V DC - 75V DC
Accuracy (System): +/- 0.05%
Full range: +/- 0.1%
- ◆ **DC System Input Protection:**
2 mOhm min.
0.5W Flame-proof Series Resistor
Rated to 1000V
- ◆ **Ambient Temperature:**
Range (ambient): -40°C to +75°C (-40°F to +167°F)
Accuracy: +/-0.5°C at ambient temperature probe
- ◆ **Charge/Discharge:**
Current Range: +/- 50 Amps (optional +/- 100Amps)

ENVIRONMENTAL SPECIFICATIONS

- ◆ **Operating Temperature:**
-37°C to +74°C (-35°F to +165°F)
- ◆ **Storage Temperature:**
-50°C to +85°C (-58°F to +185°F)
- ◆ **Humidity:**
Relative Humidity: 5% to 95%



866-MY-MYERS
www.myerspwrproducts.com