EAGLE EYE
POWER SOLUTIONS

BMS-icom Battery Monitoring System

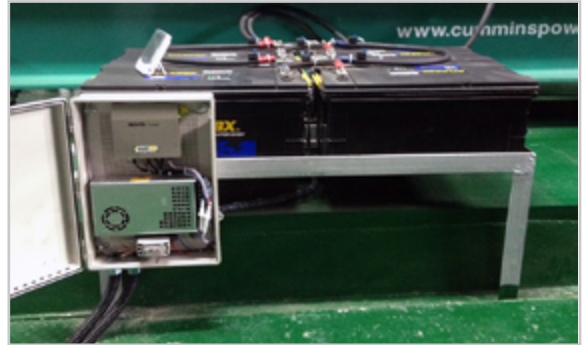**Common Applications:** Generators, Power Utilities & Distribution

BMS-icom

Product Description

The **BMS-icom Battery Monitoring System** is designed to measure the aging status of critical backup batteries by measuring and recording: system voltage, load current, unit voltage, internal resistance, and unit temperature. The included **Centroid 2 Battery Management Software** displays and records measured data for comprehensive trending analysis. The BMS-icom is accurate, repeatable, user-friendly, and cost effective solution for monitoring 48VDC systems using (4) 12V batteries.

Reduce maintenance costs, improve up-time and manage your battery assets effectively by using the BMS-icom battery monitoring solution for your 48V system. Real-time battery monitoring also reduces maintenance and replacement costs by maximizing your battery life.

Product Features

- 24/7/365 Battery Monitoring
- Installation and maintenance can be done while battery systems are online
- Meets IEEE and NERC standard recommendations for battery monitoring
- Utilizes a patented ripple-removing algorithm to filter noise from measurement results
- Injects minimal current for measurement
- Simple to install with custom, pre-assembled materials
- Alerts in real-time during outbreak

BMS-icom Installation

Technical Specifications

Measurement Range:	Battery Capacity: 5 – 6,000 Ah System Voltage: 0 – 55 VDC Load Current: ±999.9 A Unit Voltage: 12 V
Accuracy:	System Voltage: ±0.5% / 0.1 V Load Current: ±1% / 0.1 A Unit Voltage: ±0.5% / 0.01 V Internal Resistance: ±2% / 0.001 mΩ Unit Temperature: ±2% / 0.1 °
Test Speed / Test Load:	4 seconds per cell / less than 2 amps AC per unit
Measuring Interval:	Adjustable from 10 min to 24 hours (voltage & resistance)
Operating Environment:	Temperature: 0 – 65 °C (32 – 150 °F) Relative Humidity: Under 80%
Power Requirements:	Input: 38 – 58 VDC (from connected batteries)
Dimensions / Weight:	140 x 121 x 44.5 mm (5.5 x 4.8 x 1.8 in)

System Includes

- BMS-icom hardware
- Centroid 2 battery management software
- All installation materials
- Fitted CT clamp
- USB drive with software and support literature
- **Optional:** Spare parts kit

Ordering Information

Model No.	Description
BMS-icom	Battery Monitoring Solutions: Up to 4 (12V) units