Enerbatt 3GBattery Monitoring System

WIRE-LESS 6
Easy
Configuration







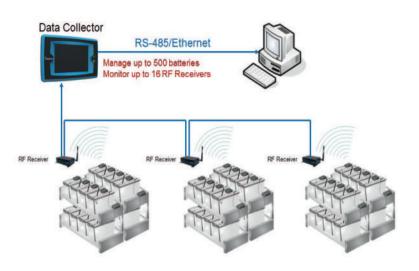
No More Messy Cables!







ENERBATT 3G

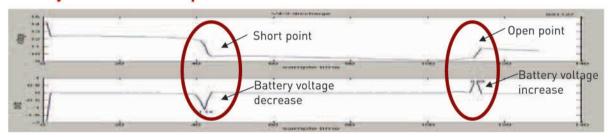


The Enerbatt 3G Battery Monitoring System is a complete solution for capturing important battery parameters at real time.

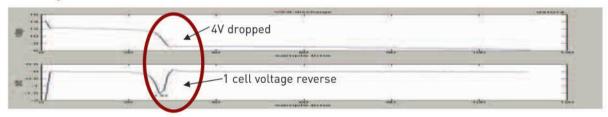
The BMS is able to communicate wirelessly, measure up to 500 nodes per system and record data in external memory cards to enable easy data access and backup security.

The new BMS is able to detect various battery problems to ensure the batteries are in working conditions.

Battery Cell Short or Open



Battery Cell Reversal

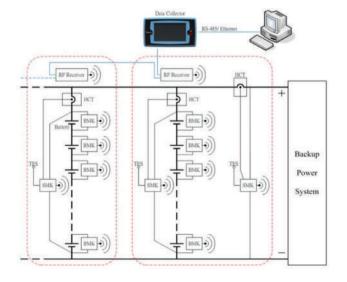


Battery Cell Impedance

 determine impedance value of the internal battery cell

Communication & protocol

- R.F 2.4G for wireless connection
- Wired communication via Ethernet TCP/IP, RS485



The Data collector comes with a large 7" LCD Screen with Graphic Touch function offering access and viewing of various batteries parameters.

Functions of the Data Collector:

Real-time Monitoring Information and Battery Test

- Battery Voltage, Battery Impedance, String Voltage, String Current and Environment Temperature

Charts & Curves

- Curve, Bar graph, Average

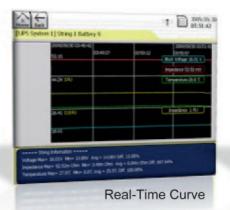
Events Log

- Alarms via email & dry contact

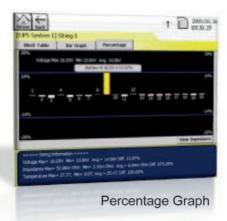
Sensor Network Manage

- Battery Configuration settings
- Networks Parameters settings













Data Readings

TECHNICAL SPECIFICATION

GENERAL		
Operating Temperature	0°C~40°C	
Relative Humidity	≤95% without condensing	
Enclosure Dimension (W × H × D) mm	260 × 150 × 57	
Supply Voltage	100 ~ 240Vac, 35 ~ 60Vdc	
Power Consumption	18 Watts, maximum	
Radio Frequency	RF 2.4G for wireless	
Available Communication Port	Ethernet TCP/IP, RS 485, Input / Output Dry contact signal	
Memory Type/Size	Inter-changeable 16GB SD/MMC flash memory card / Minimum continuous operation for 700 days	
Monitoring Nodes Per System	Standard 500 nodes per system, Upgradeable to 750 nodes per system (Individual Battery block/cell + Battery String current/voltage)	

BATTERY BLOCK MEASUREMENT					
Block Rated Voltage	2V	6V	12V		
Block Voltage Measurement Range	1.5~4V	4.5~8V	9~16V		
Resolution		1mV			
Accuracy		±10mV			
Input Impedance		≥1 M Ω			
Temperature Measurement Range		0~100°C			

BATTERY STRING VOLTAGE MEASUREMENT		
Maximum Measurement Voltage	750V	
Resolution	0.1V	
Accuracy	±0.3V	
Input Impedance	≥1MΩ	
Temperature Measurement Range	0~100°C	

BATTERY STRING CURRENT MEASUREMENT		
Maximum Measurement Current	3,000A	
Resolution	0.1A	
Accuracy	±0.3%	

Designed & Engineered by

