

# ENERBATT 3G



## Wireless Battery Monitoring System



**NO MORE  
MESSY  
CABLES**

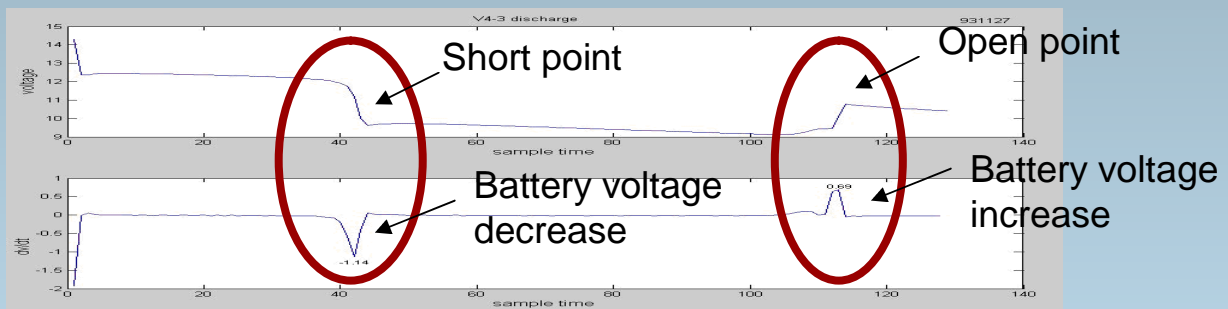


The Enerbatt 3G Battery Monitoring System is a complete solution for capturing important parameters of batteries at real time. The BMS is able, communicate wirelessly, measure up to 512 nodes per system and record data in external memory cards to enable easy data access and backup security.

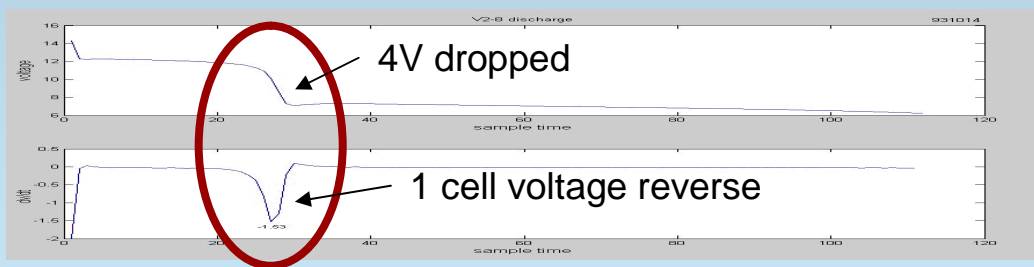


The new BMS is able to detect various battery problems to ensure the batteries are in working conditions.

## ❖ Battery Cell Short or Open



## ❖ Battery Cell Reversal

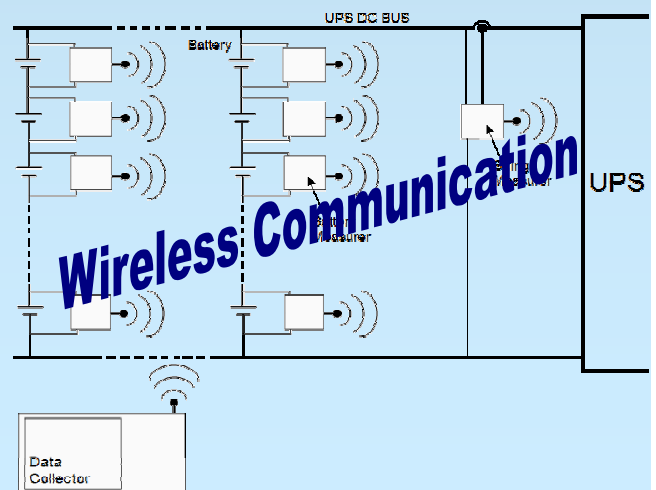


## ❖ Battery Cell Impedance

- determine impedance value of the internal battery cell

## ❖ Communication & protocol

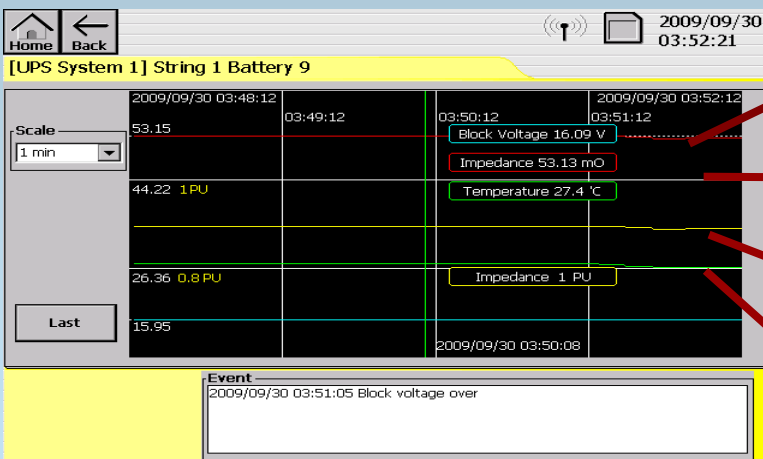
- R.F 2.4G for wireless connection
- wired communication via Ethernet TCP/IP, RS 485



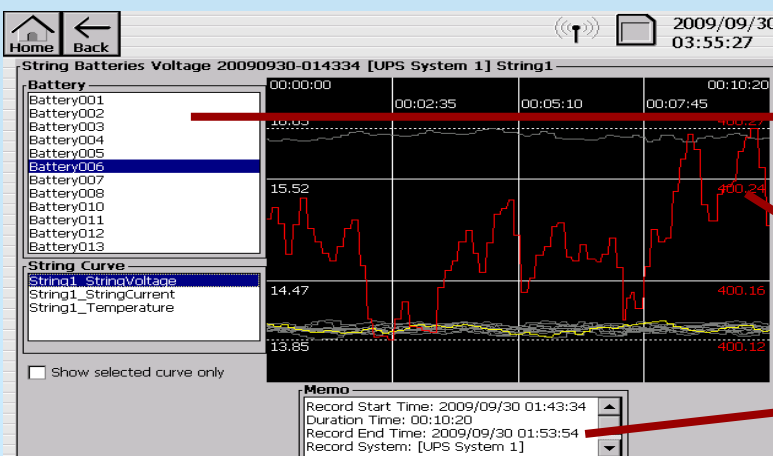
The Data collector comes with a large 6.4" LCD Screen with Graphic Touch function offering access and viewing of various batteries parameters.

## 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



- Impedance curve
- History curve
- Temperature curve
- Voltage curve



- Batteries readings
- Battery voltage
- Event logs

# ENERBATT 3G

## Technical Specification

GENERAL	
Operating Temperature	0°C~40°C
Relative Humidity	≤95% without condensing
Enclosure Dimension (W × H × D) mm	440 × 262 × 75
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

BATTERY BLOCK VOLTAGE MEASUREMENT			
Block Rated Voltage	2V	6V	12V
Block Voltage Measuring Range	1.5~4V	4.5~8V	9~16V
Resolution	1mV		
Accuracy	±10mV		
Input Impedance	≥1MΩ		

BATTERY STRING VOLTAGE MEASUREMENT	
Maximum Measurement Voltage	620V
Resolution	0.1V
Accuracy	±0.3V
Input Impedance	≥1MΩ

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