CellQ 2 Battery System

The CellQ 2 is a Battery Monitoring System designed for use in Enterprise, Government and Industrial markets which rely on mission critical DC plants to ensure uninterrupted back up power to critical equipment. The CellQ2 is designed for both **vented lead acid** and **valve regulated** battery types. The CellQ 2 is ideally suited for applications that support Remote Telecommunications, UPS systems, Station Battery systems and Switchgear. The CellQ2 system is also competitively priced while offering increased sensitivity, accuracy, and repeatability.

A scalable system that's designed to:

- Measure
- Monitor

Typical applications include:

- Gensets
- Telecommunications
- Emergency Lighting
- PBX
- Station Batteries

The CellQ 2 will record and trend:

- Unit voltage
- Unit impedance
- Pilot cell temperature
- Thermal runaway

All of this data can be viewed in real time using BTECH Inc.'s legendary Battery Validation Manager Software.

Alarm and Data Acquisition Ports:

- Local: USB
- Integral Ethernet Port
- 4 Dry contacts

Why BTECH Is The World Leader In Battery Monitoring

WE'RE SUPERIOR

BTECH's patented impedance method provides rock solid data accuracy and stability, allowing more time to respond – no other system comes close.

WE'RE NON-DESTRUCTIVE

With a load signal optimized to the battery type, our system never subjects your batteries to a stressful load test. Plus, our system is not powered by your batteries.

WE KNOW YOUR BATTERIES

With more experience than anyone in the business, our sales and service staff is there for you when you have questions.

BTECH Inc.
ISO 9001:2008

System Specifications

Measurement Capabilities:
- At-a-Glance R/YG LED display
- 8 - Parallel Strings
- 255 – Monitoring Points with Impedance
- 2, 4, 6, 8, 12, 16 Volt Units
- 2 – 480, Volt Systems
- 1 Ambient Temperature
- Voltage only option

Communications:
- Integrated Network Card (RJ-45 PORT)
- Unique MAC Address
- Modbus Over TCP/IP
- SNMP Traps
- (4) Form C Dry Contacts

Optional Features:
- Dial Up Modem/GPRS
- Modem/Wireless

Input Power:
- 100 – 240 VAC. 50/60 Hz, 25W
- 24 – 60 VDC, 10W Operating Temperature 23 to 167 °F / -5 to +75 °C
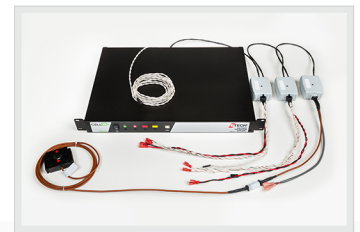
Mounting:
- Wall Mount
- Rack Mount

CellQ Software and Communications

The CellQ uses the same legendary software as BTECH's S5 Battery Monitoring System:

- BVM – Battery Validation Manager
- BVS Observer – Automated Data Collection Service
- BVM Status Monitor – Operator GUI
- OBVM – Browser Enabled Online Analysis Platform

The CellQ 2 includes the Cell/Block VTzm Module:

- VTzm-12 Module
- VTzm-2 Module
  - o 1 Module per unit
    - Voltage
    - Impedance
    - Temperature
- VM24i
  - o Voltage
  - o Temprature
  - o Current

Testimonial

"In 1995 we purchased the BTECH monitoring system for each of 5 UPS units more than 300 batteries in the systems for our corporate offices. Since their installation we have not had one battery related outage of an operating UPS unit.

The BTECH system has fore warned of more than 30 potential battery failures allowing us to replace batteries before they fail…The only way to know how your batteries are performing is to monitor their performance on weekly basis. BTECH has provided flawless service in maintaining our battery back-up systems."

– Ken Rheault, Consumers Energy