

CellQ 1 Battery System

The CellQ 1 is designed for use on Gensets, Spare Batteries and small DC plants with less than 16 units. The CellQ 1 is also designed for both **vented lead acid and valve regulated** battery types of any configuration and arrangement. The CellQ 1 is ideally suited for applications that support Remote Telecommunications, UPS systems, Station Battery systems and Switchgear and is competitively priced while offering increased sensitivity, accuracy and repeatability.

A scalable system that's designed to:

- Measure
- Monitor
- Collect data on smaller battery systems

Typical applications include:

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

The CellQ 1 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 Port
- Remote: 56k Modem
- Integral Ethernet Ports
- 1 Dry contact

Why BTECH Is The World Leader In Battery Monitoring

WE'RE SUPERIOR

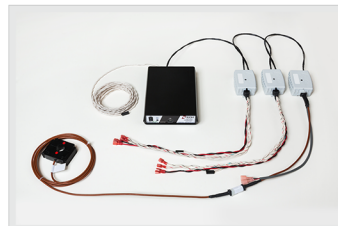
BTECH's patented impedance method provides rock solid data accuracy and stability, allowing more time to respond – no other system comes close.

WE'RE NON-DESTRUCTIVE

With a load signal optimized to the battery type, our system never subjects your batteries to a stressful load test.

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.



System Specifications

Measurement Capabilities:

- 2 Locations
- 8 - Parallel Strings
- 255 – Monitoring Points with Impedance
- 2, 4, 6, 8, 12, 16 Volt Units
- 2 – 60, Volt Systems
- 1 Ambient Temperature

Communications:

- Integrated Network Card (RJ-45 PORT)
- Unique MAC Address
- Modbus Over TCP/IP
- SNMP Traps

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:

- Flush Mount (Velcro)

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 1 includes the Cell/Block VTz Module:

- VTz-3H Module
- VTz-3L Module
 - 1 Module per unit
 - Voltage
 - Impedance
 - Temperature

Testimonial

"March 13, 1993...I remember it very well. We dropped our entire load on one of our two fully loaded 300kva UPS systems. We called in our UPS maintenance provider and wanted an explanation of why we dropped the load and why didn't he discover a problem 3 weeks earlier during the p.m. of the UPS Systems. After doing some checking, he advised us that the UPS was fine, but we had serious battery backup problems. As you also may remember hearing from your UPS maintenance provider, "he does not perform battery maintenance as part of the UPS maintenance" and if you want your batteries checked out, you will need to contract with a battery maintenance provider. That was always a huge frustration because a UPS is basically nothing without a good battery backup. Needless to say, management was not too happy to be hit with a "surprise" purchase request for 240 batteries (plus installation) at the end of our fiscal year."

On 6/30/94, life changed. We installed BTECH's Battery Validation System. Since that date, I have not had to "wonder" about the health of each individual battery. We are now on our third set of VRLA batteries since that failure in 1993. The BTECH does not make the batteries last any longer, but it lets you know when they are getting unhealthy and that you better start taking some action. We have also used data gathered to assist with discussions of utility power quality and battery replacement warrant. I review the test data each week. When hurricane season or one of those "pleasant" Florida thunderstorms comes around, I honestly do not worry about the batteries.

Instead of not really knowing how healthy they are, I've got data that tells me their present condition. I realize there are other factors that can cause load failure, but to eliminate the batteries means one less worry.

We have been very pleased with the product's hardware, software, software and support. The folks at BTECH are very good at giving support to customers, no matter what the customer's level of expertise in battery backup may be. BTECH support knows their product extremely well!"

-Rich Faircloth-Data Processing Consultant-State of Florida Department of Law Enforcement



BTECH Inc.
ISO 9001:2008