The CellQ is a multiple application platform Real-Time 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 CellQ is designed for both vented lead acid and valve-regulated battery types. The CellQ Discharge Data Recorder (DDR) is ideally suited for collecting Buss Voltage Float Conditions and Discharge Data. The CellQ system is competitively priced while offering increased sensitivity, Accuracy, and repeatability.

The CellQ DDR will record and trend:

- System Float Voltage
- Ambient Temperature
- Float Current

Typical applications include:

- UPS
- Telecommunications
- Switchgear

Data logging:

During discharges, the system will record DC Amperage and DC Voltage Decay.

All of this data can be viewed in real-time using BTECH's legendary Battery Validation Monitor.

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

Performance Specifications

Measurement Capabilities:
- At-a-glance R/YG LED display
- 4 - Locations per controller, 8 - Strings per location
- Any Buss Voltage
- (1) Ambient Temperature
- System Float/Discharge Voltage
- System Float/Discharge Amperage

Communications:
- Integrated Network Card (RJ-45 Port)
- MAC Address Modbus Over TCP/IP
- SNMP

Input Power
- 100 – 240 VAC, 50/60 Hz
- 24 – 150 VDC

Operating Temperature
- 23 to 167 °F / -5 to +75 °C
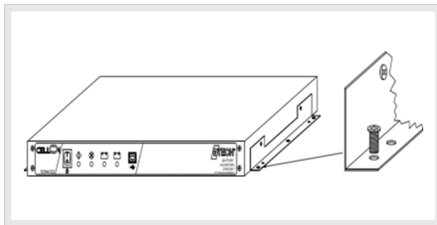
Alarms and Data Parameters:
- Ambient Temperature
- Float Voltage
- Discharge Time
- Start Voltage/End Voltage
- Load Current
- # of Cycles
- Battery String Failure
- Amp-Hours per Discharge

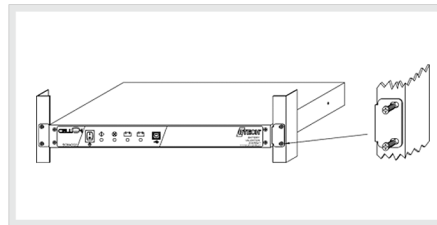## CellQ Software and Communications

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
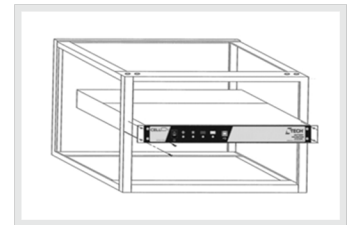- OBVM – Browser Enabled Online Analysis Platform

Mounting Options

Top Mount

19" 1U Rack Mount

Wall Mount Swing Out Rack

Testimonial

"Eleven years ago, we installed our first BTECH Battery Monitoring System, which promptly found a battery string that would fail open. Since then, we've installed over 30 BTECH systems nationwide for our critical UPS installations. The BTECH systems have proven to greatly reduce battery maintenance costs, extend the life of the batteries and virtually eliminate battery failure by being able to predict precisely which cells need to be replaced in advance.

Based on our experience, I highly recommend BTECH Battery Monitoring Systems."

– Samy Alim – Manager of Engineering - ADP

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