



## BATTERY MONITORING SYSTEM

The CellQ2 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 CellQ2 is ideally suited for applications that support Remote Telecommunications, UPS systems, Station Battery systems and Switchgear. The CellQ2 is a scalable system, designed to measure, monitor and collect data on battery systems with less than (24) cells or units per string. The CellQ2 system is competitively priced while offering increased sensitivity, accuracy, and repeatability.

Typical applications include:

**Gensets — Telecommunications — Emergency Lighting — PBX — Station Batteries**

The CellQ2 will record and trend unit voltage, unit impedance, pilot cell temperatures and thermal runaway All of this data can be viewed in real time using BTECH Inc's legendary Battery Validation Manager Software.

## Multiple Application Platform



*Remote Communications  
2 Volt Stack*



*Emergency Generators  
12/24 Volt*



*Telco Application  
1 x 4 x 12 Volt*



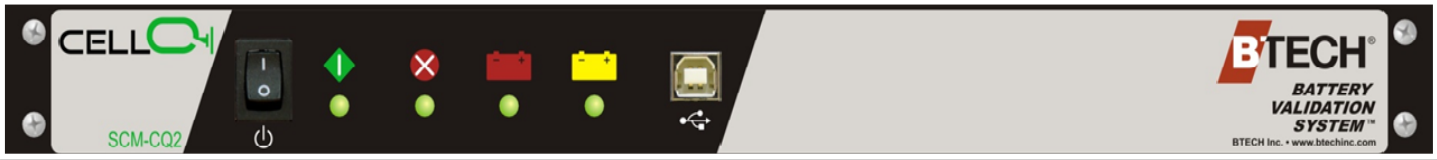
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Form CQ2-0901



# PERFORMANCE SPECIFICATIONS

## CellQ2 System Controller



### Measurement Capabilities

- At-a-Glance R/Y/G LED display
- 8 - Parallel Strings
- 255 - Monitoring Points with Impedance
- 2, 4, 6, 8, 12, 16 Volt Units
- 2— 60, Volt Systems
- 1 Ambient Temperature
- Multiple Locations on a Single Controller

### Communications

- Web Browser Data Access
- Integrated Network Card (RJ-45 Port)
- Unique MAC Address
- Modbus Over TCP/IP
- SNMP Traps
- (4) Form C Dry Contacts

### Power

- 100 - 240 VAC, 50/60 Hz, 25W
- 24 - 60 VDC, 10W

Operating Temperature  
23 to 167 °F / -5 to +75 °C

### Optional Features

- Dial Up Modem/GPRS
- Modem/Wireless

### Mounting

- Wall Mount
- Rack Mount

## Cell/Block VTz Module



### VTz3 Modules

1 Module Per Unit

Voltage/Temperature/Unit Impedance  
Ambient, Pilot and Delta Temperatures  
Pre Fabricated Power/Sense Leads

## CellQ2 Software and Communications

The CellQ2 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



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