



PREDICTIVE. PROACTIVE.  
PREVENTIVE.™

# SCALABLE MONITORING SOLUTION

The CELLQ1 Battery Monitoring System measures, monitors, and collects data for small battery systems. Ideally suited for both vented lead acid and valve-regulated battery types of most configurations and arrangements, CELLQ1 is ideal for supporting remote telecommunications, UPS systems, station battery systems, and switchgear applications with 2-24 units per string.



## WHY THE CELLQ1 FROM BTECH?



Easy Installation & Integration within Existing Site



Versatile Monitoring That Grows with Your Needs



Advanced Notifications Eliminate On-Site Maintenance



Real-Time Data from Battery Validation Manager (BVM) Software



### Applications:

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

### Records & Trends:

- Unit Voltage
- Unit Impedance
- Unit Temperature
- Thermal Runaway
- System Voltage
- String Voltage & Current
- Ambient Temperature
- View data in real time with BTECH's universal BVM Software.

### Alarm & Data Acquisition Ports:

- Local: USB Port
- Integrated Network Card
- 2 NC AUX Alarm Output Contacts
- 2 AUX Input Contacts

## SYSTEM SPECIFICATIONS

### Measurement Capabilities:

- 2 Locations
- Controller Can Measure 2 Independent Battery Systems
- 2-24 units per string
- 2, 4, 6, 8, 12, 16-Volt Units
- 2-125 Volts
- 1 Ambient Temperature
- Max 48 modules per location

### Communications:

- Integrated Network Card (RJ-45 Port)
- Modbus Over TCP/IP
- SNMP Traps

### Optional Features:

- Wireless Router on Private Network

### Input Power:

- 100 – 240 VAC. 50/60 Hz, 25W
- 12 - 48 Volt DC Power Range, 5W Operating

### Temperature:

- 23 to 167°F/-5 to + 75°C

### Mounting:

- Flush Mount
- DIN Rail Mount

## CELLQ1 SOFTWARE & COMMUNICATIONS

### CELLQ1 uses the same software as BTECH's S5 Battery Monitoring System:

- BVM – Battery Validation Manager
- BVS Observer – Automated Data Collection Service
- BVM Status Monitor – Operator GUI
- OBVM – Optional Browser Enabled Online Analysis Platform
- Integrated Webpage Hub for Settings and Specifications

### CELLQ1 Components and Module Options:

- SCM-CQ1.3 Controller
- VTz3H/L Module
  - 1 Module Per Unit (H or L)
  - Voltage
  - Temperature
  - Impedance
- BVt3 Current Module
  - String Current



## QUESTIONS OR INQUIRIES?

Log into the Online Battery Validation Manager portal or contact us at [sales@btechinc.com](mailto:sales@btechinc.com) or **973-983-1120** to speak with one of our battery monitoring innovation experts.

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BTECH is a leading global provider of sustainable US-based manufacturing and battery monitoring solutions that ensures batteries perform as intended for safety, reliability, and lifespan. Through battery innovation expertise, proactive management services, and leading analytic and predictive technologies, BTECH helps companies deploying reserve power or battery systems eliminate the risk of failure in mission-critical buildings and applications.



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