



PREDICTIVE. PROACTIVE.
PREVENTIVE.™

UNIVERSAL MONITORING PLATFORM WITH CELLQ2

The scalable CELLQ2 Battery Monitoring System offers increased sensitivity, accuracy, and repeatability for both vented lead acid and valve-regulated battery types. This system is designed to measure, monitor, and collect data in battery systems used in enterprise, government, and industrial markets that rely on uninterrupted backup power for critical equipment. The CELLQ2 can be utilized across multiple locations while complying with unique monitoring needs.



WHY THE CELLQ2 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
- Switch Gear
- UPS

Records & Trends:

- Unit Voltage
- Unit Impedance
- Pilot/Unit Cell 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
- 4 NC/NO Dry Output Contacts

SYSTEM SPECIFICATIONS

Measurement Capabilities:

- 4 Locations
- 8 par. strings: Max of 180 Modules
- 2-24 units per string or less
- 1, 2, 4, 6, 8, 12, 16-Volt Units
- 2 – 480, Volt Systems
- 1 Ambient Temperature
- Voltage Only Option
- DDR Only Option

Communications:

- Integrated Network Card (RJ-45 Port)
- Modbus Over TCP/IP
- SNMP Traps
- (4) Form C Dry Contacts

Optional Features:

- Wireless Router on Private Network

Input Power:

- 100 – 240 VAC. 50/60 Hz, 25W
- 24 – 60 VDC, 10W
- Operating Temperature
23 to 167°F / -5 to + 75°C

CELLQ2 SOFTWARE & COMMUNICATIONS

CELLQ2 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

CELLQ2 Components and Module Options:

- SCM-CQ2 Controller
- BVi3 Current Module
 - Total string voltage up to 48 volts
- VTz3H: 6 – 16 Volt Units
- VTz3L: 2 – 4 Volt Units
- VM24i
 - Voltage
 - Temperature
 - Current
- TSV Module
 - Total System Voltage
 - System Current



QUESTIONS OR INQUIRIES?

Log into the Online Battery Validation Manager portal or contact us at 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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