

# 24/7 MONITORING OF BATTERY ELECTROLYTE LEVELS

## IN BACKUP BATTERIES OR UNINTERRUPTED POWER SUPPLY (UPS) SYSTEMS

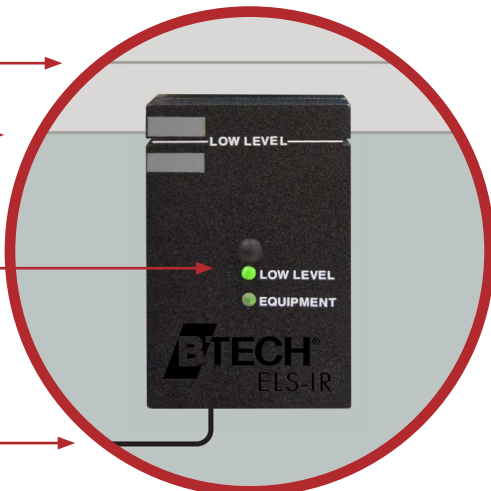
Low electrolyte levels indicate impending battery malfunctions, failures, or even permanent damage. Streamline operational consistency with the Electrolyte Level Sensor (ELS), built with proven IR technology. ELS is equipped with warning and alarm capabilities triggered at low electrolyte levels, so you can meet all PRC-005 battery monitoring requirements and proactively replace deteriorating batteries.



### WHY ELS FROM BTECH?

-  Reliable LED Alarm System
-  Simple System Installation & Integration
-  Compatible with VLA Batteries
-  +/- 5mm Electrolyte Measurement Accuracy

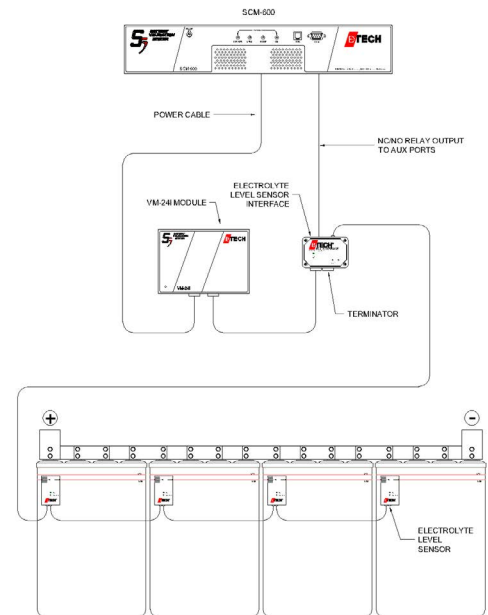
- Max Level
- Minimum Level
- Low Level Indicator Light
- Connection to 24/7 monitoring



## PRODUCT SPECIFICATIONS

BTECH ELECTROLYTE LEVEL SENSOR SYSTEM	
ELS Interface Module	Max 30 cells per channel x 4 channels (120)
Interface Module Indicators	Green LED for ELS Interface Module Power Red LED for Low Level Alarm Red LED for Equipment Alarm
Interface Module	NC Summary Low Level Output Relay NC Summary Equipment Output Relay
Power Requirements	Input: 24VDC Max. Current: 1.5A
System Environmental	Operating Temperature: 5–40° C Operating Humidity: 0%–80% (non condensing) for 0–30° C 0%–50% (non condensing) for 31–40° C
ELS IR Sensors	Battery Compatability: All flooded VLA Electrolyte Measurement Accuracy: +/- 5mm above or below the (battery) low-level line!
Sensor Indicators	Low Level LED Equipment Alarm LED
Sensor Mounting	Non-crazing adhesive
System Approvals	<ul style="list-style-type: none"> <li style="width: 50%;">• FCC Approval</li> <li style="width: 50%;">• ROHS (Pending)</li> <li style="width: 50%;">• ETL</li> <li style="width: 50%;">• REACH (Pending)</li> <li style="width: 50%;">• CE (Pending)</li> </ul>

## ELS SYSTEM INTEGRATION



## QUESTIONS OR INQUIRIES?

Contact us at [sales@btechinc.com](mailto:sales@btechinc.com) or **973-983-1120** to speak with one of our battery monitoring innovation experts.

# PREDICTIVE. PROACTIVE. PREVENTIVE.™

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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