Alber
Trust Your Batteries™

Battery Diagnostic System - 256 XL
BDS-256 XL

Alber delivers the solutions you need…

A real time battery monitor designed for large cell count applications

- Automate the IEEE Recommended Practices for battery maintenance and testing
- Maintain complete and accurate maintenance records
- 7x24 data collection, analysis, and remote alarm notification
- Real time display and data logging of individual cell voltages and string current during a discharge event

Real Time Data Capture

- Overall String Voltage
- Individual Cell Voltages
- Ambient Temperature
- Discharge Current
- Float Current
- Discharge Event

Proactive Continuity and Integrity Testing

- User programmable DC resistance tests
- Internal cell resistance test (Battery State of Health)
- Intercell and Intertier connection resistance test

Battery Management

- Vital battery parameters are continuously compared to user programmable alarm thresholds
- Detailed analysis and report generation with the BMDM - Battery Monitor Data Manager software
- No onsite computer is required for data collection and alarming – multiple remote communication options
- Easily integrates to building management systems

Alber is about integrity, reliability and product innovation. It is our experience and proven technology that makes the difference between unexpected failure and continued success!

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Battery Diagnostic System XL (BDS-256XL) – System Specifications

• Intertier resistance:	0 to 5mΩ, 5% of reading ±5μΩ		
• Cell voltage:	1V range	0-2V	0.1%±1mV
	2V range	0-4V	0.1%±1mV
	4V range	0-8V	0.1%±2mV
	6V range	0-8.5V	0.1%±2mV
	8V range	0-10V	0.1%±10mV
	12V range	0-16V	0.1%±10mV
	16V range	0-20V	0.1%±10mV
• Cell resistance:	0 to 32,000μΩ, 5% of reading ±1μΩ		
• Intercell resistance:	0 to 500μΩ, 0.25% of reading ±5μΩ Optional harness required		
• String Voltage:	0 to 80.00 volts, 0.2% of reading ±0.02 volts 0 to 400.0 volts, 0.2% of reading ±0.1 volts 0 to 600.0 volts, 0.2% of reading ±0.2 volts		
• *Discharge Current:	±4000A ±1% of full scale		
• *Float Current:	0 to 5000mA ±50mA		
• *Temperature:	0°C to 80°C (32°F to 176°F), ±1°C		
• *	Optional Current Transducer CT required Transducer accuracy affects overall current/ temperature reading accuracy.		

Agency Approvals

- UL listed. File number E212234
- CE approved

Operating Environment

- Temperature range: 5°C to 40°C (41°F to 104°F)
- Humidity range: 0% to 80% RH (non condensing) at 5°C to 31°C

Alarms

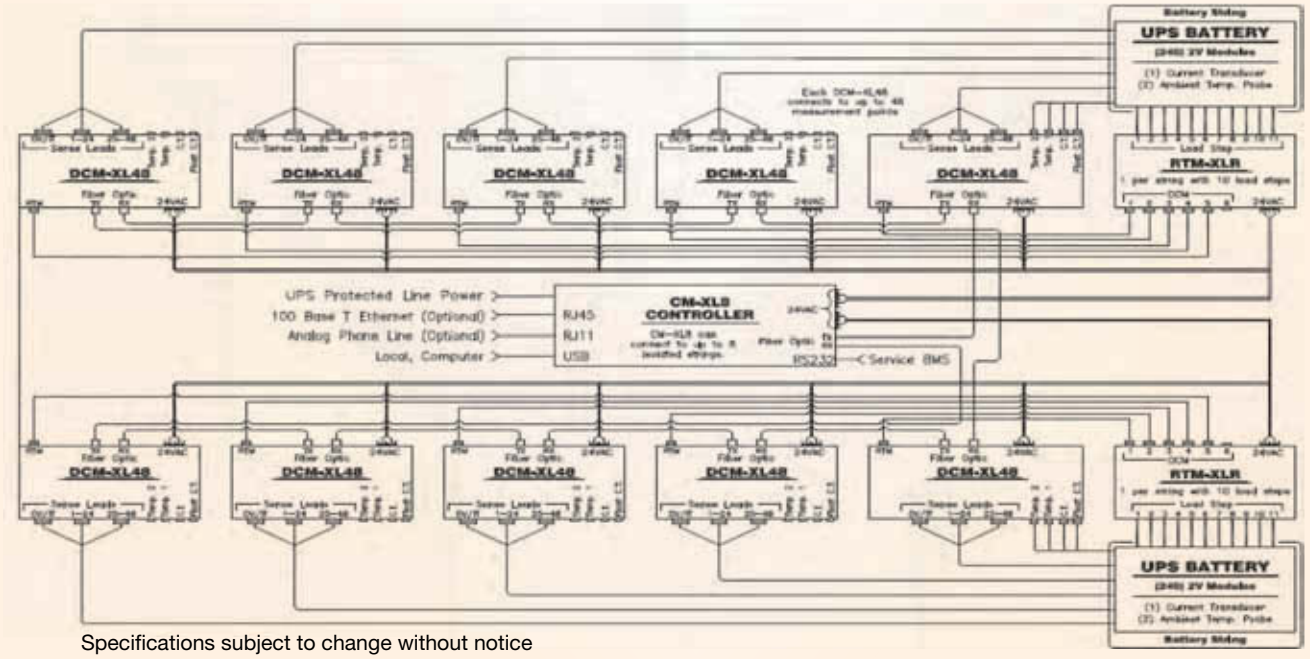
- 2 Form C, 1 critical alarm/ 1 maintenance alarm.
- User programmable relay contacts (Optional). 8 Form C, 2A at 30VDC

Communications

- Network, Modem, USB
- Modbus (ASCII), TCP/IP, SNMP

A BDS–256 XL system consists of:

- One CM–XL8 Controller Module per 8 strings
  - 19"W x 8"D x 5"H, 16 lbs.
- One or more Data Collection Modules per string
  - 19"W x 10"D x 1.75"H, 6 lbs.
- One RTM Resistance Test Module per string
  - 19"W x 12"D x 5"H, 16 lbs.



Specifications subject to change without notice

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