

## Alber delivers the solutions you need...

A real time battery monitor designed for use in telecommunications or in DC powered data centers.

- Automate the IEEE Recommended Practices for battery maintenance and testing
- Monitor up to four strings in parallel
- Robust design will monitor any 24V to 48V battery configuration
- Stay connected with Web enabled technology
- Multiple remote communications and alarm options

## Monitor Critical Parameters Real Time

- Overall string voltage
- Individual cell/block voltages
- Individual cell/block temperatures
- Ambient temperature
- Discharge, float and ripple current
- Records and stores discharge events

## Proactive Battery State of Health Testing

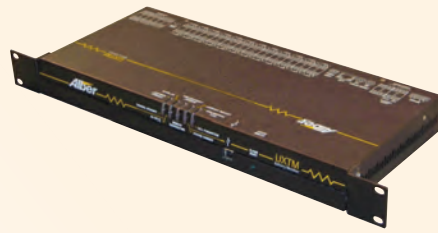
- Tests the entire battery systems integrity
- Internal cell/block resistance test
- Intercell and intertier connection resistance test

## Stand Alone System

- No onsite computer is required for monitoring and alarming
- Easily integrates to building management systems
- Embedded Web server with priority email scheduler
- 7x24 data collection, analysis, and remote alarm notification

*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!*





## Universal Xplorer Telecom Monitor - System Specifications

### System Measurements

Parameter	Tolerance	Number of Inputs
String Voltage	0 to 56 volts	Calculated
Discharge Current	±4000ADC ±1% of full scale	Calculated
Ripple Current	0 to 250 Amperes RMS, ±5% of full scale	Calculated
Float Current	0 to 5000mADC, ±1% of full scale, ±50mA	Calculated
Ambient Temperature	0°C to 80°C±0.1°C (32°F to 176°F)	1

### Cell/Block Level Measurements

Parameter	Tolerance
Cell Voltage	1V range 0 to 4V 0.1% ±1mV
	2V range 0 to 4V 0.1% ±2mV
	4V range 0 to 6V 0.1% ±4mV
	6V range 0 to 9V 0.1% ±6mV
	8V range 0 to 12V 0.1% ±8mV
	12V range 0 to 18V 0.1% ±12mV
16V range 0 to 24V 0.1% ±16mV	
Internal Cell Resistance	0 to 32,000μΩ, 5% of reading ±2μΩ
Intercell Resistance	0 to 5,000μΩ, 5% of reading ±5μΩ
Interior Resistance	0 to 5,000μΩ, 5% of reading ±5μΩ
Cell/Block Temperature	0°C to 80°C ±0.1°C (32°F to 176°F)

### Agency Approvals

- UL60950-1, IEC60950-1, EN60950-1
- EN300 386, 2001 class B
- FCC part 15 class B

### Operating Environment

- Temperature Range: 0°C to 50°C (32°F to 122°F)
- Humidity Range: 5% to 95% RH (non-condensing) at 0°C to 32°C

### Digital Inputs

- 3 inputs configurable for dry or wet detection

### Alarms

- Form C relay contact, 2A at 30Vdc

### Input Power

- DC Powered - 18 to 58VDC, 7.5W max

### Communications

- RS485 - YDN-23 or MODBUS
- Ethernet - TCP/IP MODBUS or SNMP
- USB

### Packaging

- 15.75"W x 1.75"H x 7.00"D
- Wall or 19" Rack Mount

### Back Panel Connection Detail

