Albér® UXTM - Telecom Monitor

Universal Xplorer Battery Monitor

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 system's integrity
- Internal cell/block resistance test
- Intercell and Intertier connection resistance test

Stand Alone System

- Easily integrates to building management systems
- Embedded Web server with priority email scheduler
- 24x7 data collection, analysis, and remote alarm notification

Alber
Trust Your Batteries™

EMERSON
Network Power

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System specifications

Agency Approvals

- UL60950-1, IEC60950-1, EN60950-1
- EN 300386, 2001 Class B
- FCC Part 15, Class B

Operating Environment

- Temperature range: 0ºC to 50ºC (32ºF to 122ºF)
- Humidity range: 5% to 95% RH (non-condensing) at 0ºC to 32ºC

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

System Measurements

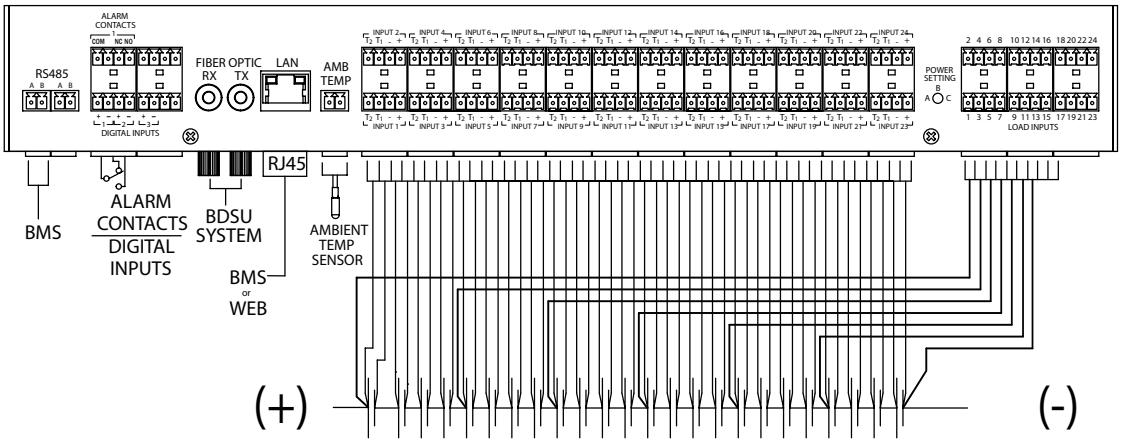
Parameter	Tolerance	Number of Inputs
String Voltage	0 to 56 volts	Calculated
Discharge Current	±4000ADC ±1% of full scale with 100µΩ or greater intercell	Calculated
Ripple Current	0 to 250A RMS, ±5% of full scale	Calculated
Float Current	0 to 5000mADC, ±1% of full scale, ±50mA	Calculated
Ambient Temperature	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		
Intertier 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)		

Specifications subject to change without notice.

Back Panel Connection Details



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