

Alber delivers the solutions you need...

A real time battery monitor designed for Utility Bulk Power Systems and NERC compliance... to save you time and money!

- Automate the IEEE Recommended Practices for Battery Maintenance and Testing
- Maintain complete and accurate maintenance records
- Multiple remote communications and alarm options

Real Time Data Capture

- Overall String Voltage
 - Individual Cell Voltages
 - Ambient Temperature
 - Cell/Block Temperatures
 - Discharge Current
 - Float Current
 - AC Ripple Current
 - Data Storage
- Vital battery parameters are continuously compared to user programmable alarm thresholds
 - View key battery parameters during a scheduled capacity test or during any power outage

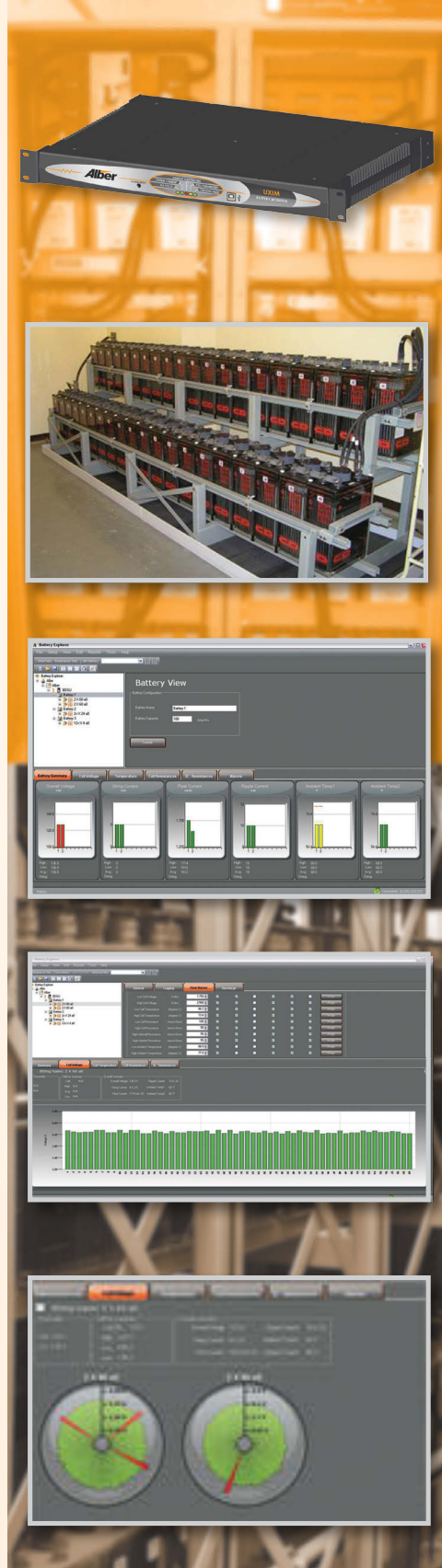
Proactive Continuity and Integrity Testing

- User programmable DC resistance tests
- Internal cell resistance test (Battery State of Health)
- 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 is about integrity, reliability and product innovation. It is our experience and proven technology that make the difference between unexpected failure and continued success!



Agency Approvals

- UL61010-3
- EN61326-1
- FCC Part 15, Class A

Operating Environment

- Temperature range: 0°C to 40°C (32°F to 104°F)
- Humidity range: 0% to 80% RH (non-condensing) at 5°C to 31°C, 0% to 50% RH (non-condensing) at 31°C to 40°C
- Indoor use only
- Installation Category 1
- Pollution Degree 2
- Altitude: 0 to 2,000 meters above sea level

Alarms

- 2 - Form C relay contacts, 2A at 30VDC
- 3 Digital Inputs

Input Power

- DC Powered - 95 to 145VDC, 7.5W max.

Communication

- RS-485/1 - MODBUS
- RS-485/2 - Proprietary for Temperature Module
- Ethernet - TCP/IP MODBUS, SNMP, SMTP
- USB
- Fiber optic for BDSU integration

Packaging

- 1U chassis
- Dimensions: 15.75"W x 1.74"H x 12.00"D
- Weight: 2.9 lbs.
- Wall or 19" Rack Mount

System Measurements

Parameter	Tolerance	Number of Inputs
String Voltage	0 to 150 volts: 0.2% of reading at ±0.1 volts	Calculated
String Current	0 to 4000ADC, ±0.25% of full scale	Calculated
Ripple Current	0 to 250A RMS, ±5% of full scale	Calculated
Float Current	0 to 5000mADC, ±1% of full scale	Calculated
Ambient Temperature	0°C to 80°C ±0.1°C (32°F to 176°F)	2

Cell Level Measurements

Parameter	Tolerance
Cell Voltage	2V range 0 to 4V 0.1% ±2mV
Internal Cell Resistance	0 to 32,000μΩ, 5% of reading ±2μΩ
Intercell Resistance	0 to 5000 μΩ, 5% of reading ±5μΩ
Intertier Resistance	0 to 5000 μΩ, 5% of reading ±5μΩ
Cell/Monobloc Temperature	0°C to 80°C ±0.1°C (32°F to 176°F)

Specifications subject to change without notice.

