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













Albér[®] UXTM - Telecom Monitor

Universal Xplorer Battery Monitor

System specifications

Agency Approvals

- UL60950-1, IEC60950-1, EN60950-1
- EN 300386, 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 (noncondensing) 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

ALARM

- 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	$\pm 4000 \text{ADC} \pm 1\%$ of full scale with $100\mu\Omega$ 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 $\pm 2\mu\Omega$		
Intercell Resistance	0 to 5,000μΩ, 5% of reading $\pm 5\mu\Omega$		
Intertier Resistance	0 to 5,000µ Ω , 5% of reading ±5µ Ω		
Cell/Block Temperature	0°C to 80°C ±0.1°C (32°F to 176°F)		

Specifications subject to change without notice.

Emerson Network Power Global Headquarters 1050 Dearborn Drive

P.O. Box 29186 Columbus, Ohio 43229 800 877 9222 Phone (U.S. & Canada Only) 614 888 0246 Phone (Outside U.S.) Contact@EmersonNetworkPower.com Emerson Network Power Caribbean and Latin America Office – United States of America +1-954-984-3452 Phone Ask.Cala@Emerson.com Emerson Network Power Canada 3580 Laird Rd Unit 1 Mississauga, Ontario L5L 527 +1 905 569 8282 Ask@EmersonNetworkPower.com

EmersonNetworkPower.com

. 1990 1 2 - بر 1990 1 4 - بر 1990 1 6 - بر 1990 1 8 - بر 1990 1 1 - بر 1990 1 - ب 10000 0000 00000 AMB TEMP POWER RS485 AO ক্ষিক্ষি 66 66666666666 **1** ብብብ በብብብ 8 8 RJ45 ÅLARM Ŭ CONTACTS SYSTEM AMBIENT BMS DIGITAL SENSOR INPUTS BMS WEB

While every precaution has been taken to ensure accuracy and completeness in this literature, Liebert Corporation assumes no responsibility, and disclaims all liability for damages resulting from use of this information or for any errors or omissions. © 2015 Liebert Corporation. All rights reserved throughout the world. Specifications subject to change without notice. All names and logos referred to herein are trade names, trademarks or registered trademarks of their respective owners. © Liebert is a registered trademark of the Liebert Corporation. Emerson Network Power and the Emerson Network Power logo are trademarks and service marks of Emerson Electric Co. ©2015 Emerson Electric Co.

SL-29209 (04/15) Printed in USA

EMERSON. CONSIDER IT SOLVED.

Back Panel Connection Details