UNIPOWER
P O W E R I N G   T E C H N O L O G Y

10-1008

FEATURES AND BENEFITS

Real Time Data Display
Real time cell voltages are displayed or cell voltages from a previous discharge

Remote Access
Users can remotely monitor and store battery telemetry data, reducing trips to site and increasing uptime

Battery Testing
Automatic or on-demand battery testing insures batteries are functioning properly and provides battery health statistics to system planners without affecting the existing system loads

DESCRIPTION

The SAGEON Battery Monitor (SMB) is an add-on module for the SAGEON Family of DC Power Systems. It is used to monitor individual cells of a battery, or individual batteries of a monoblock, during float or equalization operation, or during a discharge.

Each SBM is capable of monitoring up to 24 cells or monoblocks and up to 4 SBM units can be combined to monitor up to four battery strings of 24 cells or monoblocks each. Using the remote communications ability of the SAGEON Power System Controller, cell voltage data accumulated during a discharge can be transferred to a remote computer and saved.

The cell voltages can be viewed in real time and the SageView software that is running on your PC displays the cell voltage data in various formats, providing you a snapshot of the health of your power system's batteries. In the event that a battery behaves less than ideal during a test or actual discharge, a number of preprogrammed parameter levels are used to generate alarms which are triggered on the controller, the SageView software, your remotely connected PC, Network Management Software or SCADA system.

SPECIFICATIONS

Battery configuration options (48V systems):	24Cell x 2V, 12Cell x 4V, 8Cell x 6V, 4Cell x 12V
Battery configuration options (24V systems):	12Cell x 2V, 6Cell x 4V, 4Cell x 6V, 2Cell x 12V
Maximum Battery Voltage:	75VDC
Number of Cells:	24 maximum per SBM
Number of battery strings per SBM:	1, 2, 3 or 4 depending on configuration
Cell Voltage selection:	2V (max input: 3.33V) 4V (max input: 6.66V) 6V (max input 10V) 12V (max input: 20V)
Accuracy:	±0.5% of measurement. Drift for 1 year: ±10mV at 0°C to 40°C
Resolution:	5mV per cell (2V, 4V, 6V range), 10mV per cell (12V range)
Sampling interval range for discharge log:	1 - 60 minutes
Maximum distance from SCU:	100ft.
NOTE: "Cell" can mean both single battery cell or monoblock.	