

REMOTE BATTERY MANAGEMENT SYSTEM



Real-Time Measurement and Control

- Advanced remote battery monitoring & management system offers a more intelligent and cost effective means of determining battery condition and cuts maintenance cost by as much as 95%. No service trucks required!
- Remotely monitors each individual 12 V battery on a user programmable schedule, from hourly to monthly.
- Intelligent battery balancing technique addresses cell charge level individually, extending the life of the battery string.
- Automatic data logging function records individual battery voltage, temperature and admittance, eliminating the need for manual data logging and analysis (Includes FREE Lookout SNMP monitoring & management software)
- The automatic data logging provides all the necessary data for any warranty claims and eliminates extra testing time for suspect batteries.
- Maximizes the long term value of your Battery Backup System by scheduling and budgeting battery replacements at the proper time.
- Built-in web server allows for convenient read-only monitoring from any computer on the network

Consult your Alpha representative for P/N configurations

Electrical

Site controller unit:

Voltage:30 – 59Vdc (36/48Vdc string voltage)

Power consumption:.....7W

NOTE: Power is supplied from the battery bank

Sensors:

Voltage:12V: 8.0 – 16Vdc

Power consumption:.....12V: <10mA nominal, 0.5/6A during admittance test

Mechanical

Site controller unit:

Dimensions:

mm:82.55H x 133.35W x 30.48D

inches:3.25W x 5.25L x 1.20H

Weight:0.2722kg (0.6lbs)

Sensors (12V)

- Two-wire connection with max bolt size for terminals of 5/16 inch
- Mounted to the top of the battery with self-adhesive industrial Velcro strip
- CAT5 cable used to daisy chain from sensor to sensor
- Last sensor in the daisy chain connects to String 1 input of the sensor interface module

Power harness cable connection (PBT-PAC-0BAT)

- Connects to the 48Vdc battery string + (Red) and – (Black) terminals

Environmental

Site controller unit:

Operating temperature:...-40 to 65°C (-40 to 149°F)

Sensors

Operating temperature:...-40 to 80°C (-40 to 176°F)

Communications

Site controller unit

- SNMP via TCP/IP & built-in web server and SMTP mail client

Site controller software

- Optional Lookout software provides a convenient way to monitor multiple site controllers on the network

