

## Battery Fleet Management Next Available Battery



The BHS Next Available Battery (NAB-2000) is an advanced, fully-adaptive monitoring and display system for use with industrial lead-acid battery chargers. The system may be connected to battery charging systems ranging in size from 10 to 500 chargers. By monitoring the charge status of each battery, the NAB-2000 provides a concise, single point display of battery status information. This at-a-glance information makes it possible to keep track of all the batteries in your facility, and to maintain the fullest state of charge in the equipment that uses them.

### Features & Benefits

- Monitors various battery types\*
- First In, First Out (FIFO) battery tracking
- Eliminates overuse of individual batteries
- Display unit indicates the location of fully and partially charged batteries (battery locations displayed in order of voltage to help select the battery with the longest time off charge)
- Displays errors in charging process, such as chargers that never turn on, chargers that shut off without reaching 2.4 V per cell, and chargers that have not shut off after 15 hours
- 7' (2.13 m) power cord (120 V ac outlet required)

### Available Options

#### Alarm Module (NAB-2000-AM)

Warns operator when a battery is selected out of order

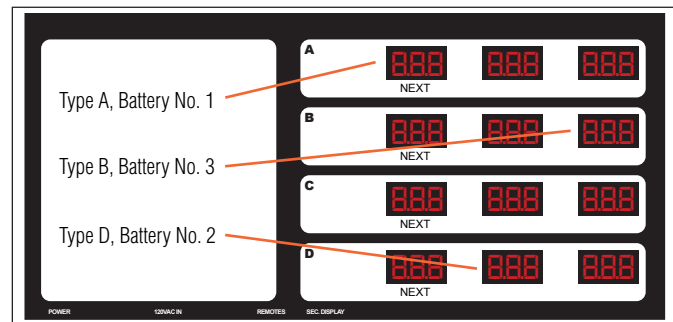
#### Additional Display Board (NAB-2000-DSPLBD)

Allows for an additional four battery types to be monitored

#### Remote Display (NAB-2000-RF-KIT)

Wireless display that can be mounted to an Operator Aboard Battery Extractor

### NAB-2000 Display Unit



To Remote Units

To secondary display (if used)

System Displays	Status Indication
Stationary display	Charge completed normally
Scrolling decimals	Charge in progress
Flashing decimals	Final voltage is less than 2.40 V/cell
Flashing digits	Charge not completed within time limit

\* Four battery types can be monitored with a single display. To monitor more than four battery types, Additional Display Boards are required.

## Functionality

Every NAB-2000 system contains one primary Display Unit that communicates with the chain of Remote Units, and serves as the display for battery types "A" through "D". If more than four battery types are used, a secondary Display Unit is connected to monitor battery types "E" through "H". This modular design allows you to configure the NAB-2000 system to meet specific requirements, and allows future expansion as needed.

The Remote Units are responsible for monitoring the battery voltage at each charger, and are available in 12, 18, 24, 36 and 48 V versions. Each Remote Unit monitors up to ten batteries of the same type.

The NAB-2000 can monitor:

- When a battery is connected or disconnected (once disconnected, the Display Unit drops the battery from the line-up)
- When a charger turns on or shuts off, by monitoring changes in the battery voltage
- The approximate state of charge of each battery, by comparing average cell voltage

### Sample NAB-2000 system design including (1) Display Unit and (4) Remote Units

