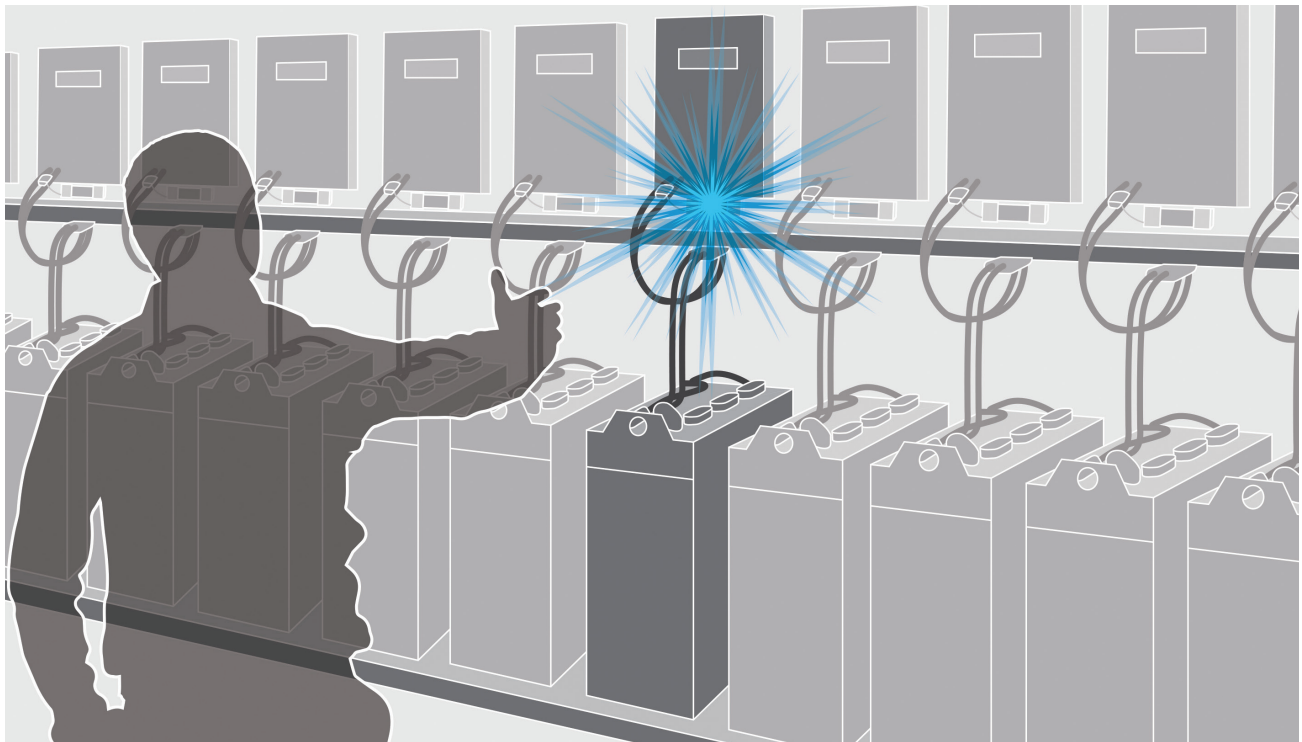


## iBOS® Lite

### The simplest way to manage your battery room

It saves money in your warehouse or DC by eliminating waste and increasing productivity. Changing batteries on an electric forklift truck can be a confusing, time-consuming process that, when done incorrectly, leads to shortened battery run times and battery life. iBOS Lite provides a simple, cost-effective solution that takes the guesswork out of choosing the proper battery. Which is the proper battery? The battery that is fully charged and the most cooled down. How do you find it? **Follow the blue light!**



iBOS Lite manages up to 50 chargers for each battery type and uses easy-to-see pick lights to provide clear direction on which charged battery to select.

The system saves money in three ways:

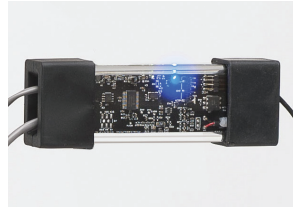
1. Faster battery changes.
2. Less frequent battery changes.
3. Longer lasting batteries, reducing the frequency of battery purchases.

**"We added a half hour of run time to our batteries by letting iBOS manage the selection process for us."**

**– U.S. Clothing Retailer Maintenance Manager**

## iBOS Lite Features

- Simple operation
  - Bright, easy-to-see blue light tells you which charger to go to for the fully charged and most cooled down battery
- Pick light is in enclosed container protecting it from dirt and grime
- Simple installation
  - Universal voltage Sentinels and Controller
  - Cable is included with Sentinels and Controller
  - Daisy-chained data cable connections mean only 15 minutes of installation time per charger
  - Charger labels are not required
  - Can be done with local maintenance staff and standard tools
  - No certified installation required and no system configuration needed



## iBOS Lite Components

### System Controller:

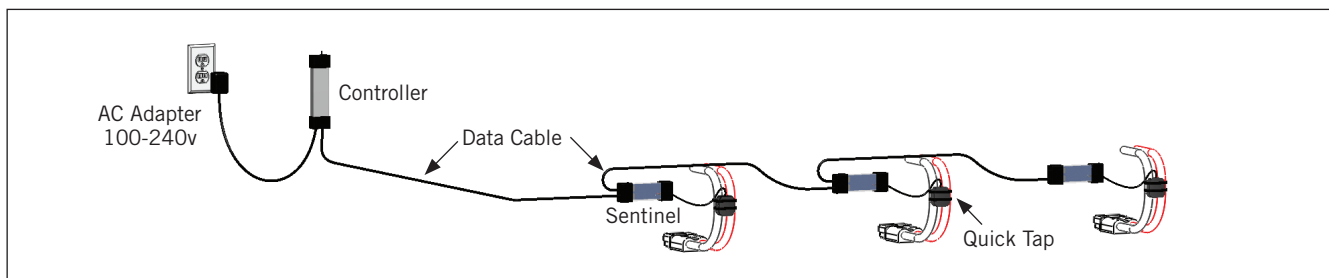
- Controls up to 50 Sentinels in one pool
  - A pool is a group of the same battery type
- One Controller per pool is needed
- Includes:
  - Controller
  - Power supply - Input: 100 - 240 VAC 50/60 Hz
  - 2 sets of data cable: Each set includes 25 feet (7.6 m) of data cable with one coupler

### Sentinel:

- Constantly monitors charger voltage
- One Sentinel required for each charger
- Universal voltage — Works on all High Frequency, SCR and Ferro Resonant chargers in a conventional, battery change application
  - Sentinels work from 12 to 80 Volts DC
  - All chargers within the pool must be the same voltage
  - No need to specify battery voltage
- Includes 7 feet (2.1 m) of data cable to interconnect Sentinels in a daisy chain-style connection
- Quick tap connection to DC cable

## iBOS Lite Benefits

- Simplified and directed battery selection to make sure that all batteries are fully charged and properly cooled down
- Faster battery changes — save 2 to 5 minutes per change
- 10 to 20% fewer battery changes and 30 minutes longer battery run time
- Longer battery life (6 months additional life) due to longer battery cool down times, which equates to fewer battery purchases each year



Patent Pending



[www.phlsci.com](http://www.phlsci.com)

Lean **Battery Room**  
TOOL

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