

iBOS® – Intelligent Battery Organizing System

Rightsize your battery fleet, save money and increase productivity



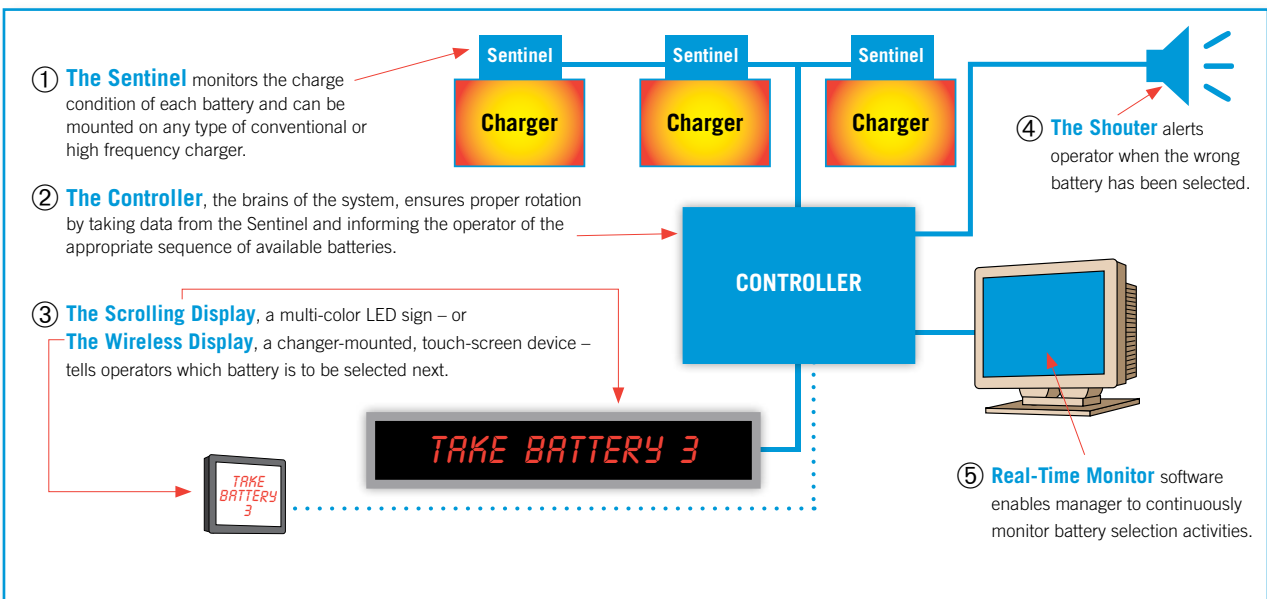
Site tests have shown that if battery selection is left to an operator, 30% of the batteries will be underutilized and 20% will be overused. The result: uneven battery usage, shortened run times, hot batteries, premature battery failure and lost productivity.

iBOS® brings Lean discipline to the battery room. It enables operators to properly rotate fork lift batteries by identifying which battery has had the longest cooling time since charging. It also helps supervisors manage the battery room and aids executives in making informed buying decisions. iBOS eliminates waste in your battery room, with a typical payback of less than one year.

Save money four ways with iBOS:

1. Faster battery changes, improving productivity
2. Less frequent battery changes, improving productivity
3. Increased battery life, reducing the frequency of battery purchases
4. Rightsizing your battery fleet, optimizing battery usage

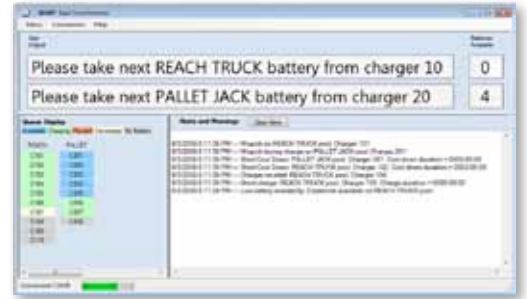
Here's how iBOS works



iBOS® gives battery managers all the information they need to manage battery pools right from their computer.

With iBOS Real-Time Monitor, a battery room manager can use an on-site computer to continuously monitor battery selection activities. It provides information in an easy-to-understand manner, signaling the manager when one of our five alert conditions is triggered:

1. **Battery availability low** – no charged batteries (or any number a manager chooses) are available.
2. **Mispick** – an operator chooses the wrong battery or the battery picked is still charging.
3. **Short charge duration** – a battery takes less than three hours (or any duration a manager chooses) to charge. This may indicate a low capacity battery or that an operator is returning a battery for recharging too soon.
4. **Charger no start** – a charger does not turn on when a battery is connected — sometimes due to an over-discharged battery.
5. **Cool down time** – a battery is picked before a pre-selected length of cool-down time, potentially reducing the life of the battery.



iBOS Features

- Easy-to-use “read and react” system.
- Large scrolling display – or charger-mounted, touch-screen wireless display – tells forklift operator the “correct” battery to pick next. Displays available in multiple languages.
- Shouter sounds an alarm when operator takes a battery that is not fully charged, reducing mispicks.
- Real-Time Monitor software provides all the information needed to efficiently manage the battery fleet.
- Works with virtually any conventional or HF charger.

iBOS Benefits

- Faster and less frequent battery changes.
- Promotes longer battery run time and battery life through uniform usage and proper rotation.
- Improves operator productivity.
- Identifies faulty equipment.
- Rightsizing – helps managers decide if there are too many or too few batteries in the fleet.
- Fast ROI – typical payback of less than one year.

Maximize battery room performance with the iBOSWorld™ Web Service

As an optional service, iBOS can interface with the iBOSWorld Web Service (www.iBOSWORLD.com). This Web-based tool enables management to optimize the organization’s assets by analyzing battery performance and facilitating more effective decision making through reports that are available on the Internet.



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