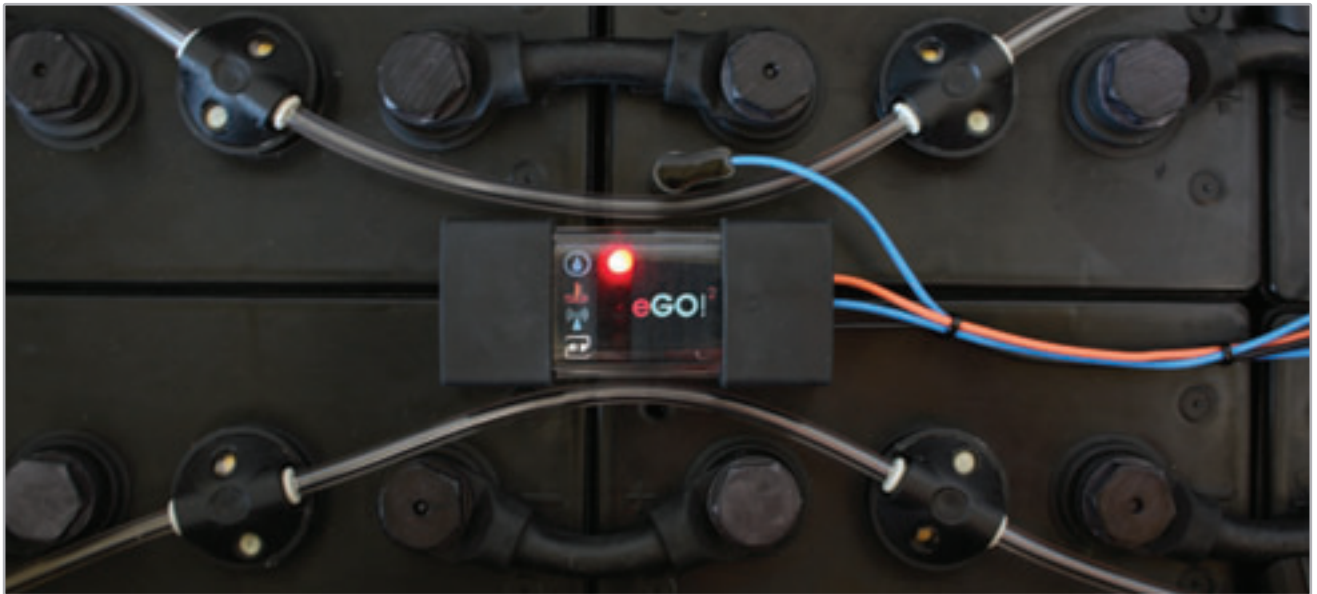


eGO! battery monitor

The cost effective way to monitor batteries



eGO! with bright LED indicating electrolyte level

Forklift truck batteries represent a major cost to a warehouses operation, costs which will increase with over use or misuse of the battery. Conversely, an efficient battery will improve a sites productivity and profitability. Without a cost effective way to monitor the usage and care of a battery, companies have been unable to improve the sites procedures. The result: increased labour and maintenance costs, and premature battery failure.

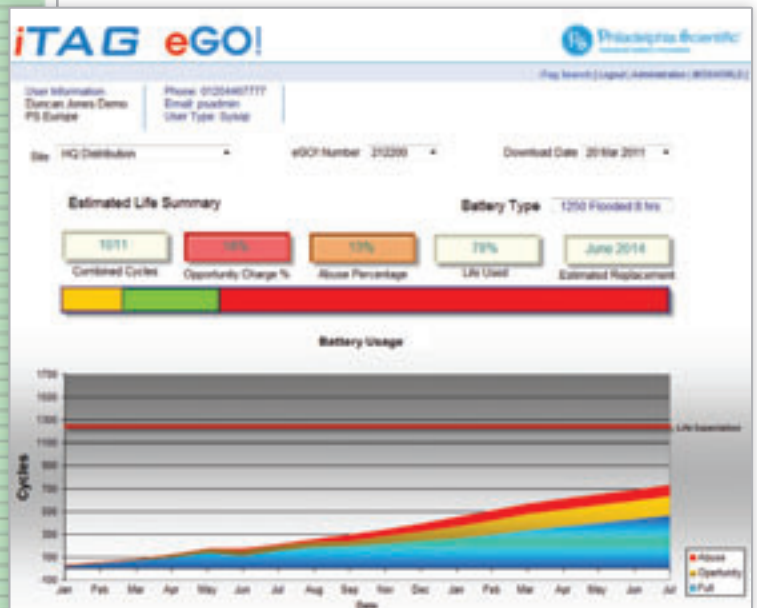
The eGO! has been designed with demanding materials handling environments in mind, and tells you everything you need to know about the life history of a battery. Its measures performance and predicts when a battery will need to be replaced. Helping you to identify potential issues before they cause expensive damage and providing information that can help in making financial buying decisions.

The eGO is mounted on the battery and continuously monitors the cycles, opportunity charging, voltage, electrolyte level and temperature of the battery. It has bright LED's that indicate the electrolyte level and temperature status of the battery, helping operatives to correctly maintain the battery. The data the eGO collects is simply downloaded, via Bluetooth, to a PC or laptop where it is summarised into useful information. This history can be viewed from anywhere in the world on the internet, where a summary of the key performance indicators and life prediction is available.

Expensive assets are almost always monitored to record how they are being used. While a forklift truck has an hour meter and a service record to help estimate the usage level, the usage of the battery has remained a mystery. With the eGO this no longer has to be the case.

The eGO! helps to assign accountability for improper usage to the user

| eGO! Detail | |
|---|-------------|
| Download Date | 2011-01-07 |
| eGO! Serial Number | 00005A |
| Cell Voltage At Download | 2.25 VFC |
| Temperature At Download | +07°C |
| Electrolyte Status At Download | Full New |
| Accessory Status | Powered Off |
| Number Of Normal Charge Cycles | 54 |
| Hours Of Opportunity Charge | 7 |
| Estimated Total Cycles | 54 |
| Lifetime Average Cycles Per Day | 0.8333 |
| Last 30 Days Average Cycles Per Day | 0 |
| Total Connected Days | 65 |
| Number Of Connections | 3 |
| Days Since Last Connection | 26 |
| Lifetime Work Hours | 0 |
| Lifetime Rest Hours | 19 |
| Last Cycle Complete Hours Between Charges | 0 |
| Last Cycle Work Time | 0:10:1 min |
| Last Cycle Rest Time | 0:10:1 min |
| Last Cycle Charge Time | 0:10:1 min |
| Maximum Temperature During Last Cycle | +02°C |
| Maximum Voltage During Last Cycle | 2.30 VFC |
| Minimum Voltage During Last Cycle | 2.26 VFC |
| Lifetime Average Temperature | +01.1°C |
| Lifetime Maximum Temperature | +02.7°C |
| Days Since Connection When Maximum Temperature Occurred | 0 |
| Last 30 Days Average Temperature | +05°C |
| Last 24 Hours Average Temperature | +05°C |
| Cumulative Hours Of High Temperature | 0 |
| Lifetime Maximum Voltage | 2.57 VFC |
| Days Since Connection When Maximum Voltage Occurred | 1 |
| Lifetime Minimum Voltage | 1.96 VFC |
| Days Since Connection When Minimum Voltage Occurred | 30 |
| Hours Of Over Discharge | 0 |
| Total Number Of Days Without Water | 63 |
| Longest Period Without Water | 26 |
| Days Without Water At Download | 2 |
| User Serial Number | |
| Asset Number | |
| Site Name | |
| Customer Number | |
| Battery Reference | |
| Cell Type | |
| Truck Type | |
| Voltage | 3.6v |
| Capacity | 3.6v |
| Commission Date | |
| Site Identifier | 0 |



eGO! summarised usage and life prediction, viewed via the internet

eGO! usage information, viewed via PC/Laptop or internet

The eGO! interprets data to provide essential life history information that can be used to make decisions. A summary of the entire life of the battery can be downloaded manually or automatically in less than 3 seconds to a PC or laptop. The summary includes the main performance indicators, including:

- Cycles
- Opportunity charging
- Voltage
- Temperature
- Electrolyte level

The downloaded data can be sent either manually or automatically to itagworld.com where it can be stored indefinitely. Once received on itagworld.com the data is used to provide information on the usage of the battery and importantly on the predicted life of the battery.

This information can be viewed from anywhere in the world. By evaluating all the age, use and abuse information, the eGO! can provide an accurate estimate on the number of days that the battery will last before it requires replacement. The eGO! replaces guesswork with useful information.

By reviewing battery usage, battery users can be better educated in the consequences of improper use and contracts can be re-evaluated based on real usage information. The eGO! helps to assign accountability for improper usage to the user.

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