

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 warehouse's operation, costs which will increase with over use or misuse of the battery. Conversely, an efficient battery will improve a site's productivity and profitability. Without a cost effective way to monitor the usage and care of a battery, companies have been unable to improve the site's 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. It 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	039954
Cell Voltage At Download	2.95 VFC
Temperature At Download	-07.1°C
Electrolyte Status At Download	Full
Accessory Status	Pushover OK
Number Of Normal Charge Cycles	54
Hours Of Opportunity Charge	7
Totalled Total Cycles	54
Lifetime Average Cycles Per Day	0.6388
Last 30 Days Average Cycles Per Day	0
Total Connected Days	95
Number Of Connections	3
Days Since Last Connection	28
Lifetime Work Hours	0
Lifetime Rest Hours	19
Last Cycle Complete Hours Between Charges	0
Last Cycle Work Time	0:00:1 sec
Last Cycle Rest Time	0:00:1 sec
Last Cycle Charge Time	0:00:5 sec
Maximum Temperature During Last Cycle	-02.4°C
Maximum Voltage During Last Cycle	2.95 VFC
Maximum Voltage During Last Cycle	2.95 VFC
Lifetime Average Temperature	-07.1°C
Lifetime Maximum Temperature	-02.7°C
Days Since Connection When Maximum Temperature Occurred	37
Last 30 Days Average Temperature	-05.7°C
Last 24 Hours Average Temperature	-05.5°C
Cumulative Hours Of High Temperature	0
Lifetime Maximum Voltage	2.97 VFC
Days Since Connection When Maximum Voltage Occurred	1
Lifetime Maximum Voltage	1.96 VFC
Days Since Connection When Maximum Voltage Occurred	30
Hours Of Over Discharge	0
Total Number Of Days Without Water	62
Longest Period Without Water	25
Days Without Water At Download	2
User Serial Number	
Asset Number	
Site Name	
Customer Number	
Battery Reference	
Cell Type	
Track Type	
Voltage	5.0v
Capacity	5.0v
Commission Date	
Site Identifier	0

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



eGO! summarised usage and life prediction, viewed via the 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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