EnerSys
Power/Full Solutions

Drive up your productivity!

Wireless Battery Monitoring Devices
Wi-IQ® / Wi-IQ® 2

For better diagnostics and service.

EnerSys® Wi-IQ® range

Wireless Battery Monitoring Devices
Improving your productivity and increasing your profits!

EnerSys Wi-IQ®/Wi-IQ®2 range communicates wirelessly with the charger and the computer. The devices have the ability to download key information for professional battery management, better diagnostics and service. The information can be transferred to the PC via USB by wireless communication or to IQ charger ranges.

Keeping your electric materials handling equipment on the move is fundamental to maintaining your business operating efficiently. To do this you need to understand that batteries are being charged correctly and are being discharged to the optimum level. If you get both these elements correct, you will reduce the number of battery recharges or battery changes on your trucks and maximise your up-time per machine.

Construction

Wi-IQ /Wi-IQ2 are the electronic devices from EnerSys that combine our vast experience in battery monitoring design with the very latest in wireless technology. The devices are fitted to a main DC cable

on the battery to monitor and record data of current, voltage, temperature and electrolyte level (via optional external sensor). The LEDs provide real time status of your battery's condition.

Installation

- **Wi-IQ**
  Utilizes a Hall Effect sensor, installation is carried out by inserting DC cable through the centre of the device.
- **Wi-IQ2**
  Features an external shunt which is fitted "in-line" to the DC cable. This device is ideal when extremely precise current readings are required.
Both devices can be used with a broad range of technologies and applications.

Features & Benefits

- **Temperature warning**
  Advises the customer to stop using the battery as there is a risk of damage (IQ chargers range has the ability to stop the charging process to cool down the battery).

- **Voltage imbalance**
  Informs the customer of any battery fault so he can seek help before a possible battery failure occurs.
- **Low electrolyte level (when probe option fitted)**
  Advises the customer when to top-up the battery.
- **Data memory**
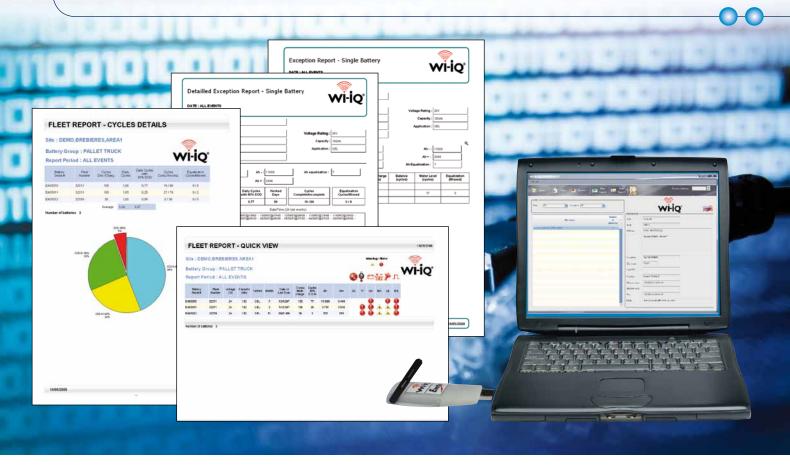 Can store up to 2,555 cycles.
- **Memory download & reset**
  Battery analysis/diagnostics, Short-term rental-reset memory for new contracts.
- **Wireless capability**
  Simple data download to PC, range up to 30 m (unobstructed space).

Data recorded

The Wi-IQ range record global data during the life of the battery. They will store data for 2,555 cycles (complete history stored by PC). The following data can be analysed by the PC software program: state of charge, temperature warnings and low electrolyte level warnings.

Keep on top of your battery fleet's performance.

LED display

Tricolour LED

Green blinking:	Hardware OK
Blue rapid blinking:	Wireless identification
Red blinking:	Temperature warning

Blue LED

Rapid blinking:	Wireless identification
Slow blinking:	Voltage balance warning
Fixed:	Low electrolyte level

Diagnostics & Reports

If taking control of your battery fleet by carrying out your own management reports appeals to you, then Wi-IQ® Report is ideal. EnerSys® has developed its Wi-IQ Report, a customer reporting suite, to keep on top of your battery fleet's performance. You can up-load data from all your Wi-IQ/ Wi-IQ2 devices and analyse a single battery or compile reports by battery/truck family to assess your utilisation. This data can also be used to reduce truck down-time and drive up your productivity and profit! Wi-IQ Report can enable you to carry out a quick diagnostic on any battery that shows a warning via the LEDs.

Clear visibility

Selecting the Exception & Detailed Reports will provide information on the condition of your battery and any actions that are necessary. Wi-IQ Report will quickly enable you to get a handle on your battery fleet charging & discharging characteristics. With information by battery family (truck type) you can see depth of discharge charts, cycles, charging and much more.

Very easy to use

Simply plug in your USB modem to your PC, scan the Wi-IQ/Wi-IQ2 and up-load the data. Wi-IQ Report is a PC Software running on Windows XP, Windows 7 & Vista.
A USB wireless key is used for down-loading the data into a SQL database.

Application

	Wi-IQ without level probe	Wi-IQ with level probe	Wi-IQ2
Hawker evolution	▬▬▬▬		
Hawker perfect plus		▬▬▬▬	
Hawker Water Less®		▬▬▬▬	
Hawker Water Less 20		▬▬▬▬	
Hawker XFC™			▬▬▬▬

Wherever you do business, EnerSys® can support you with motive power energy. The Hawker® branded battery range, matched chargers and systems provide trouble free performance under the most demanding service conditions. Our strategically located manufacturing plants are efficient and responsive with a culture of continuous improvement and added value for our business partners.

EnerSys has an enviable position in technology leadership and with significant investment in research and development we intend to stay at the leading edge in product innovation. The recently developed energy solutions: Hawker XFC™ and Water Less® 20 batteries, Lifetech® and LifeSpeed IQ™ HF chargers, have defined new benefits for our customers: faster recharge, more machine availability, lower operating and investment costs, reduced carbon footprint. Our team of development engineers is driven by the desire to build the best energy solutions and works closely with our customers and suppliers to identify development opportunities. Our bias for rapid innovation means we get new products to market fast.

EnerSys's integrated sales and service network is dedicated to providing our customers with the best solutions and after-sales support for their business. Whether you require 1 battery or a complete fleet of batteries, chargers, a battery handling system and a state of the art fleet management system, you can count on us. EnerSys is the world's largest industrial battery manufacturer and we are dedicated to being the best.

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