Intelligent modular HF chargers
HF technology with innovative features such as modular design is the next step forward with the new charger range by EnerSys®.

EnerSys, global leader in industrial batteries, has over 20 years experience in pioneering High Frequency technology. The continuous study of our customers’ requirements and expectations has lead to further development of the smart chargers range.

Introducing LifeSpeed IQ™ is another step forward to achieve intelligent, flexible and energy-efficient charging performance.

**LifeSpeed IQ - the new generation of HF chargers**

The new range of smart HF chargers – LifeSpeed IQ combines all the existing HF technology benefits and new features that assure better communications with the battery and more flexibility of use. The innovative modular design provides highly efficient charging, reliability and ease of service.

**Features and advantages**

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Optimised design with new components, simpler assembly and lower charging factor helps to reduce carbon footprint and ensures an energy efficient charge of the batteries, suitable for all battery technologies.
Accurate charging for all applications

LifeSpeed IQ™ is suitable for all battery technologies with corresponding charging profiles:

- XFC™ for Hawker XFC range
- Ionic for perfect plus range
- Gel for evolution range
- PzM for Water Less® range
- WL20 for Water Less® 20 use
- Airmix for vented technology like perfect plus, Water Less, with electrolyte circulation
- Float charge for AGV application

The charger is equipped with:

- Real time clock - can manage the charge at off peak hours. It helps to set equalization charge, once a week or several times a week.
- Anti arcing system - enables safe disconnection during the charge.
- Conditional charge ability - the charger will not start if a defined percentage of discharge is not reached.

Benefits of modular design

The modular construction means that each charger is built from a certain amount of modules. This solution helps to achieve the optimum performance of charging and provides easy service replacement if a single module fails. The charger bypasses the faulty module and operates at reduced power. Moreover, the charger's controller manages the modules to operate at peak efficiency at all times. Modules can easily be replaced and can even be hot-swapped.

Flexible and user friendly

The large LCD screen constantly displays the charging status. The messages are in clear text, except the coded defaults. The menu also delivers the real time charging process and events. The specific five background colours, that indicate the charging status, are visible from a wide viewing angle.

Advanced devices communication

LifeSpeed IQ™ is equipped with advanced communication tools. Wireless communication with Wi-IQ® battery devices allows for automatic adjustment of the charger to suit the battery age and condition. Communication occurs throughout the charge process to monitor the charging profile, battery temperature compensation and energy throughput. USB port is standard to download charger history and upload profiles and service updates. The option of Ethernet allows remote access to the charger menu and all charging data.

COLOUR
Dark blue
Light blue
Light blue Orange
Green
Red
Green Orange

FUNCTION
Waiting status until battery connected
Battery on charge
Alternating, on charge indicating a pump defect, overdischarge, thermal fault or module failure
Battery charged
Charger faults DF1, DF2, DF3, TH, WRG MOD
Alternating, battery charged with pump defect, overcharge or module failure

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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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