

**CHARGING
SOLUTION**

HAWKER® MODULAR CHARGERS

“MODULAR: SETTING
A NEW STANDARD”



 **HAWKER®**

CHARGING SOLUTION



MODULAR: SETTING A NEW STANDARD



24V35A 30/01/14
Bat +20 °C

LCD SCREEN



105 V
39 A
25°C
400 Ah

MULTICOLOUR TFT SCREEN

PEAK PERFORMANCE AND RELIABILITY

The plug and play modules are managed by the charger's algorithm. Modules are automatically switched on and off to achieve optimum charging performance so peak efficiency is maintained at all times. This modular design approach breaks new ground in hardware reliability. Gone are the days when a minor component failure could render the charger inoperable, if a single module should develop a minor fault, the charger bypasses the module and keeps running at reduced power thus not stopping the charging process and impacting on the smooth running of your business.

REDUCING YOUR ENERGY FOOTPRINT

Hawker® Modular chargers will reduce your battery recharging costs as they consume less electricity and therefore, will also have a positive impact on our environment. The optimized charging factors and high efficiency (ranks up to 94%) makes the range a cost-saving benchmark. A smart and integrated Power Factor Control (only on 1-phase) reduces reactive energy consumption and AC distortion adding another benefit to your mains rating and energy costs.

OPTIMIZED CHARGING

In addition to the introduction of the new modular range, we have optimized our charging profiles and charging times will be reduced from 1 to 2 hours (depending on battery type). We appreciate that time is one of the biggest cost-driving factors in your business and always keep this in focus. The new range of smart high frequency chargers assures automatic battery identification, increased efficiency and power factor control, reaching the best charging customization along with all the existing high frequency technology benefits.

FLEXIBLE DESIGN AND SIMPLIFIED SERVICE SOLUTION

The modular charger concept adapts to a wide range of battery capacities and allows you to potentially reduce the number of chargers in your fleet. With less chargers, you will free-up valuable space and provide more charging flexibility for some of your material handling equipment fleet. There is more: the self-diagnostics feature on our modular range will flag up any possible failures and fitting a new module is a simple plug and play operation. Universal - within the range - modules are always available for rapid delivery and replacement.

KEY FEATURES

CHARGING

Equalization charge
Auto-diagnostic
Conditioning charge
De-sulphation charge
Flexible recharge time

FLEXIBILITY

Multi profile capability
Multi voltage
Multi capacity and future-proofing extendable output power
1 and 3-phase

COMMUNICATION

USB to download and upload the data

CONSTRUCTION

Light and modern design
Free-standing or wall mounting
Modular concept
LCD screen with customer programmable menu
DC cable holder

GREEN TECHNOLOGY

Reduce carbon footprint with optimized charging factor
Energy savings: Efficiency up to 94%
Reduced reactive energy consumption with active PFC (only on 1-phase)
Consumption below 10W in stand-by
Complying with latest global standards

KEY FEATURES

CHARGING

Equalization charge
Auto-diagnostic
Conditioning charge
De-sulphation charge
Flexible recharge time

Arc less disconnect (optional)

Suitable for profiles, Water Less® 20 e and Hawker® NexSys® 2V

Automatic temperature adjustment to profile with Wi-iQ® Wi-iQ2

FLEXIBILITY

Multi profile capability: automatic with Wi-iQ® Wi-iQ2

Multi voltage

Multi capacity and future-proofing extendable output power

1 and 3-phase

COMMUNICATION

Wireless communication between the charger and the battery via the Wi-iQ or Wi-iQ2

USB to download and upload

Ethernet connection with Lifenetwork iQ™ (optional)

CONSTRUCTION

Light and modern design
Free-standing or wall mounting
Modular concept
4,3" multi colour TFT screen with customer programmable menu

Background changes colour in line with battery status

DC cable holder

GREEN TECHNOLOGY

Reduce carbon footprint with optimized charging factor

Energy savings: Efficiency up to 94%

Reduced reactive energy consumption with active PFC (only on 1-phase)

Consumption below 10W in stand-by

Complying with latest global standards

Lifetech Modular

1 kW Modules

1 and 3 bay cabinets
1 Phase - 200-265V

Charger range:

12, 24, 36/48 V from 1 kW to 6 kW

Application:

Gel, AGM, standard flooded / Water Less®, heavy duty, Air Mix

3,5 kW Modules

4 and 6 bay cabinets
3 Phase - 400V

Charger range:

24/36/48 V from 3,5 kW to 21 kW
72/80 V from 3,5 kW to 21 kW

Application:

Gel, AGM, standard flooded / Water Less, heavy duty, Air Mix

Lifetech iQ Modular

1 kW Modules

3 bay cabinets
1 Phase - 200-265V

Charger range:

12, 24, 36/48 V from 1 kW to 6 kW

Application:

Gel, AGM, standard flooded / Water Less, Water Less 20, Fast Charge, heavy duty flooded, Air Mix

3,5 kW Modules

4 and 6 bay cabinets
3 Phase - 400V

Charger range:

24, 36, 48 V from 3,5 kW to 21 kW
72/80 V from 3,5 kW to 21 kW

Application:

Gel, AGM, standard flooded / Water Less, Water Less 20, heavy duty flooded, Air Mix



ACCURATE CHARGING FOR ALL APPLICATIONS

The new Lifetech® Modular and Life iQ™ Modular charger ranges from EnerSys® represent the best-in-class high frequency charging solution for all applications in the field of material handling equipment, automated guided vehicle systems, cleaning machines and industrial electric vehicles.

The new ranges, designed for wall-mount or free standing, boast as exciting new features, automatic identification and switching of output voltage (within the charger's specification), increased efficiency and power factor control and our most compact size to date.

High-frequency technology has already become a standard requirement for battery charging in the Motive Power industry, the new range of Lifetech Modular and Life iQ Modular chargers raise the bar to a new level. The range offers intelligent charging with advanced efficiency and the flexibility to meet the demands of a changing world.

EnerSys, global leader in industrial batteries, has over 25 years' experience in pioneering and promoting High Frequency charging technology. The recent success of LifeSpeed iQ™- 7kW modular charger has led to the research and development of 1kW and 3,5kW modular designs to satisfy the wider material handling equipment market and to comply with worldwide standards.

As a result of this extension, EnerSys is now offering a complete range of premium products from 1kW to 42kW with the best efficiency and performance on the market.

Find out more about our products and services at www.enersys.com

WI-IQ® OPTIONAL



1KW LIFETECH® CHARGER



4 BAY 3-PHASE CHARGER



4 BAY 3-PHASE CHARGER



3 BAY CABINET INTERIOR



3 BAY 1-PHASE CHARGER



4 BAY 3-PHASE CHARGER INTERIOR

ABOUT ENERSYS®

EnerSys®, the global leader in stored energy solutions for industrial applications, manufactures and distributes reserve power and motive power batteries, battery chargers, power equipment, battery accessories and outdoor equipment enclosure solutions to customers worldwide.

Motive power batteries and chargers are utilized in electric forklift trucks and other commercial electric powered vehicles.

Reserve power batteries are used in the telecommunication and utility industries, uninterruptible power supplies, and numerous applications requiring stored energy solutions including medical, aerospace and defense systems.

Outdoor equipment enclosure products are utilized in the telecommunication, cable, utility, transportation industries and by government and defense customers.

The company also provides aftermarket and customer support services to its customers from over 100 countries through its sales and manufacturing locations around the world.

**WHEREVER
YOU DO BUSINESS,
ENERSYS®
CAN SUPPORT YOU
WITH MOTIVE
POWER ENERGY.**





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