



HAWKER

# LIFESPEED<sup>®</sup> MOD3

WHERE TECHNOLOGY MEETS INNOVATION

Offering the flexibility of a fast, opportunity, and conventional charger, HAWKER LIFESPEED® MOD3 chargers provide optimum charging, peak efficiency, and non-stop power while reducing charging costs and energy demands.

## BENEFITS AND HIGHLIGHTS

Combining the HAWKER LIFESPEED® charging expertise with the advantages of modular technology, HAWKER LIFESPEED® MOD3 chargers deliver a variety of benefits to enhance your operation.

- **Fast Charging** – When combined with the exceptional efficiency and power factor of high-frequency switch mode technology, the HAWKER LIFESPEED® MOD3 charger can recharge your batteries 3-5 times faster than conventional units. The fast charge profile can be configured in the charger at up to 50%.
- **Energy Savings** – HAWKER LIFESPEED® MOD3 technology offers the highest conversion efficiency and power factor available in the industry – significantly reducing electrical consumption and demand charges. This charger operates at efficiencies of up to 94% and a power factor of .96.
- **Plug-and-Play Flexibility** – The HAWKER LIFESPEED® MOD3 responds dynamically to charge a wide range of battery voltages and capacities without user intervention. HAWKER LIFESPEED® is the easiest high-frequency switch-mode charger in the industry to operate. On-site programming capabilities allow the charger to be custom tailored to the application's specific needs.
- **Advanced Data Management** – The chargers communicate wirelessly with the HAWKER® Battery Boss™ WC (BBWC) and maintain a data history of numerous charge parameters for analysis and optimization.
- **Opportunity Charging** – The HAWKER LIFESPEED® MOD3 includes a distinct opportunity charge profile which returns capacity to the battery during breaks without excessively gassing the battery. The opportunity profile can be set either manually using front panel menus or automatically using the HAWKER® BBWC.



*Every module in the HAWKER LIFESPEED® MOD3 chargers are stand-alone, eliminating the risk of catastrophic failures and downtime.*

## CHARGE PROFILE OPTIONS

The HAWKER LIFESPEED® MOD3 offers four charge profile options based on your operation's requirements:

1. **IONIC** – This profile is the preferred choice for most applications. Employing periodic current pulses which both identify the battery's true capacity and state of charge, as well as mix the electrolyte throughout charge to avoid acid stratification. This profile provides the optimal recharge with minimal heating.
2. **Opportunity** – The charger provides up to a 25% start rate depending on battery and charger size.  
The opportunity profile may be used with or without a HAWKER® BBWC. When employing a HAWKER® BBWC, the charger will change profiles based on the HAWKER® BBWC settings. Without a HAWKER® BBWC, you must program the charger in opportunity charge mode, HAWKER POWERLINE® and ENERGY-PLUS™ batteries receive an extra year of warranty.  
Equalize and complete charge time parameters must be programmed through the charger configuration screen.
3. **Cold Storage Program** – The HAWKER LIFESPEED® MOD3 charger series automatically engages to the cold storage program if the battery temperature is below 59°F.
4. **Fast Charging** – When combined with the exceptional efficiency and power factor of high-frequency switch mode technology, the HAWKER LIFESPEED® MOD3 charger can recharge your batteries 3-5 times faster than conventional units. The fast charge profile can be configured in the charger at up to 50%.

## ADVANTAGES OF MODULAR POWER

- ⚡ Power You Can Count On** – The new high-frequency modular HAWKER LIFESPEED® MOD3 charger supplies dependable, proven power – delivering maximum reliability and improved efficiency to keep you moving.
- ➔ Simplified Service** – The HAWKER LIFESPEED® MOD3 self-diagnostics feature alerts operators to any possible failures. Replacement modules are available for quick delivery, and because of their design, installation is fast and simple.
- ✂ Flexible. Adaptable. Fast.** – The modules in the HAWKER® chargers automatically adjust to effectively charge the battery while maintaining optimal efficiency and at the best power factor.  
  
The modular design of the HAWKER LIFESPEED® MOD3 allows for adaptation to a variety of battery capacities, potentially reducing or eliminating the need for more chargers in your fleet.
- 🔄 Eliminate Downtime** – When employing two to eight\* individual power modules, HAWKER LIFESPEED® MOD3 chargers provide you with a non-stop charge. Even if one module stops working, the rest will keep working to continue charging the battery – making downtime a thing of the past.
- 🏗 Scalability for Future Needs** – Our modular charger design offers the advantage of scalability. The 4-bay, 6-bay and 8-bay HAWKER LIFESPEED® MOD3 charger cabinets allow modules to be added in response to changing power needs. Your current operations may require only a few modules to effectively charge your batteries, but if your workload changes, these larger cabinets can quickly accommodate additional modules to meet your expanded power requirements.

- 🌿 Environmentally Engineered** – The HAWKER LIFESPEED® MOD3 chargers consume less electricity, simultaneously reducing battery recharge costs while positively impacting our carbon footprint.



*The modules in the HAWKER LIFESPEED® MOD3 chargers work as a team to deliver consistent power. Even if one module goes down, the other modules will continue charging.*

# LIFESPEED® Mod3

### 3.5 kW Modules

4, 6, & 8-bay cabinets

208-240 V, 440 V, 480 V, 600 V 3-phase

Output voltage: 24/36/48V or 72/80V  
from 10kW to 28kW



For more information on the HAWKER LIFESPEED® MOD3 chargers, call 1.877.7HAWKER today to speak with a HAWKER® representative in your area. (U.S. & Canada Only)

# KEY FEATURES

HAWKER LIFESPEED® MOD3 WHERE TECHNOLOGY MEETS INNOVATION

## CHARGING

- Keeps battery in ready-state throughout the day by fast charging.
- Automatic equalization charge day and time of day
- Condition charge (programmable DoD)
- De-sulphation charge
- IONIC, Opportunity, Cold Storage, and Fast charge profiles
- High temperature charge interruption with BBWC
- Programmable delay start, either period of time after plugged-in or specific time of day
- Block-out timer to avoid peak demand

## FLEXIBILITY

- Multi profile capability / automatic with BBWC
- Automatic temperature adjustment with BBWC
- Multi capacity and scalable output power
- Auto cell sizing for 12/18/24 cells
- Auto selection of I-E-I charge profile for cold storage applications

## COMMUNICATION

- Wireless communication between charger and BBWC with fast charge profile
- USB port to download charger data and upload firmware
- Optional Ethernet adapter
- LED indicators on each module for on/off or if a fault is detected
- Built-in real-time clock
- Bluetooth capability to download data & program charger configuration settings

## CONSTRUCTION

- Light and modern design
- Shelf or wall mounted (Available for 4, 6, or 8-bay cabinets)
- 4.25" multi-color TFT screen
- Changes color with battery status
- Adjustable cable settings: length and gauge

## GREEN TECHNOLOGY

- Energy savings with efficiency up to 94% and .96 power factor
- Consumption below 10W in Energy Saver mode

## THE BOTTOM LINE FOR HAWKER LIFESPEED® MOD3 CHARGERS

*HAWKER LIFESPEED® MOD3 modules are the most flexible in the industry, operating as a fast, IONIC, or opportunity charger. The HAWKER LIFESPEED® MOD3 charger series provides optimum charging, peak efficiency, and non-stop power while reducing charging costs and energy demands.*

**GREATER FLEXIBILITY** – HAWKER LIFESPEED® MOD3 chargers with fast, IONIC, cold storage, and opportunity charge profiles can grow with your business. They can charge a universal range of batteries (voltages from 24 to 80 volts) and AH capacities without any user intervention or programming. There's no need to interrupt charging at the 80% point to limit heating. Allows for a partial charge or full charge whenever your work cycle demands it.

**IMPROVED EFFICIENCY** – The HAWKER LIFESPEED® MOD3 charging rate is increased without overheating the battery due to our patented fast charge algorithm, reducing the charge time up to four times.

**ENERGY SAVINGS** – HAWKER LIFESPEED® MOD3 IONIC charge profile lowers charge factor by diagnosing the battery and precisely returning the energy needed to completely charge your battery. The IONIC profile coupled with high electrical efficiency can offer significant savings on electrical costs.

**OBSOLESCENCE SAVINGS** – The HAWKER LIFESPEED® MOD3 flexibility and scalability means that your chargers may not need to be replaced when your present trucks or batteries are replaced.

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WHERE POWER AND DATA CONNECT

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