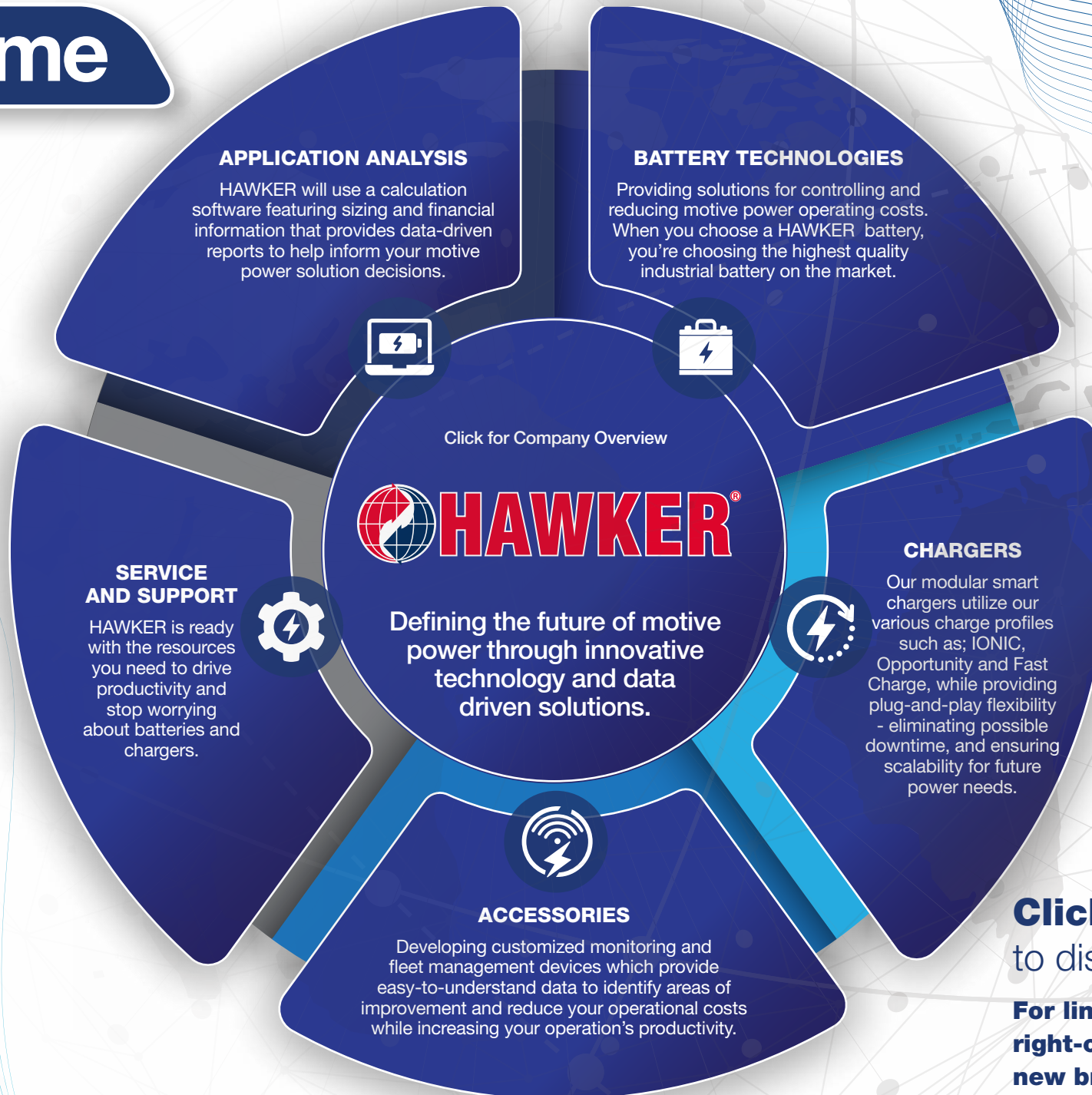


Welcome



Click on sections to discover more

For links and literature, right-click to open in a new browsing tab.



OUR MISSION

At HAWKER, we're committed to defining the future of Motive Power through innovative technology and data-driven solutions supported by world class customer service, striving to deliver the lowest total cost of ownership, and bringing unprecedented value to our customers.

HAWKER is always proactively adapting to our customer's ever-changing needs by innovating and finding solutions to their challenges via our Research and Development (R&D) engineers. Our robust portfolio of advanced technology solutions coupled with engineering, design, installation, and maintenance services makes HAWKER the clear choice for all your motive power needs.



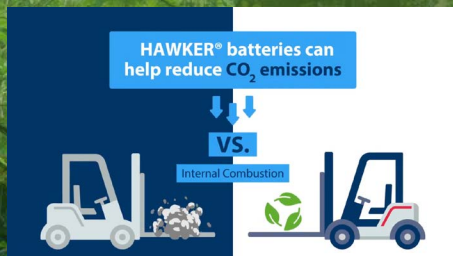


ENVIRONMENTAL IMPACT & SUSTAINABILITY

Sustainability at HAWKER is about more than just the benefits and impacts of our products. Our commitment to sustainability encompasses many important environmental, social and governance issues.

Sustainability is a fundamental part of how we manage our own operations. Minimizing our environmental footprint is a priority. Sustainability is our commitment to our employees, our customers and the communities we serve.

Our products facilitate positive environmental, social and economic impacts around the world. To learn more click on the link below.

[SUSTAINABLE SOLUTIONS](#)[CODE OF BUSINESS CONDUCT & ETHICS*](#)[CLICK TO LEARN MORE](#)[MORE ON SUSTAINABILITY](#)[<< BACK](#)[GET IN TOUCH WITH HAWKER OR SPEAK DIRECTLY WITH YOUR LOCAL HAWKER REPRESENTATIVE](#)

*Hawker Powersource, Inc. is a subsidiary of EnerSys. We are committed to being an engaged and responsible corporate citizen wherever we do business and beyond. This global partnership allows us to prioritize reliability, resilience, and sustainability within the supply chain and facilitate positive environmental, social, and economic impacts to our customers.



APPLICATION ANALYSIS



HAWKER EDGE™ CALCULATION SOFTWARE



HAWKER EDGE™ is the next evolution in sizing calculators for Lithium, Thin Plate Pure Lead (TPPL), Fast and Opportunity charging applications!

HAWKER EDGE™ is a calculation software featuring sizing and financial information that provides data driven reports to help inform your power solution decisions.

Custom-developed analytics from the HAWKER Battery Boss™ WC (BBWC) can be utilized to generate easy-to-read, interactive visualizations that display data to help you understand which HAWKER power solutions may work best for your operation and may lower Total Cost of Ownership (TCO).

Features & Benefits

- Multi-site and multi-truck capable
- Model multiple batteries, chemistries, and chargers for comparison
- Model up to 1 week (including up to 3 shifts and 7 separate weekly schedules)
- Includes battery conversion from internal combustion (IC) to electric
- Calculates financial savings and Carbon Emissions savings
- Capable of projecting financial information up to 10 years for scalability*
- Calculates Return on Investment (ROI) and Total Cost of Ownership (TCO)



HAWKER EDGE

HAWKER EDGE™ – the most evolution in sizing calculators for Lithium, Thin Plate Pure Lead (TPPL), Fast and Opportunity charging applications! HAWKER EDGE™ is a calculation software featuring sizing and financial information that provides data driven reports to help inform your power solution decisions. Custom-developed analytics from the HAWKER Battery Boss™ WC (BBWC) can be utilized to generate easy-to-read, interactive visualizations that display data to help you understand which HAWKER power solutions may work best for your operation and may lower Total Cost of Ownership (TCO).

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- Model up to one week, including up to 3 shifts and 7 separate weekly schedules.
- Includes battery conversion from internal combustion to electric.
 - Calculates financial savings and Carbon Emission savings.
- Capable of projecting financial information up to 10 years for scalability.
- Calculates Return on Investment (ROI) and Total Cost of Ownership (TCO).
- Data can be exported in a visual reporting format that can be emailed, printed, and saved as a PDF.
- Verification approved by a HAWKER Product Manager available.

For additional information about the HAWKER EDGE™ calculation software, contact your local HAWKER Dealer by visiting www.hawkerpowersource.com or dialing 1-877-HAWKER (U.S. only).

HAWKER LEADING EDGE MOTIVE POWER SOLUTIONS

21100 10th Street, Suite 1000, Denver, CO 80202
 Phone: 303-750-7000 | Fax: 303-750-7001 | Email: sales@hawkerpowersource.com
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CONTACT US

PRODUCT SHEET

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BATTERY TECHNOLOGIES



The World's Largest Industrial Battery Brand

HAWKER manufactures the broadest line of motive power batteries, providing solutions for controlling and reducing motive power operating costs. When you choose a HAWKER battery, you're choosing the highest quality industrial battery on the market.

MAINTENANCE FREE BATTERY SOLUTIONS

FLOODED LEAD-ACID BATTERY SOLUTIONS



FLEX® LI³ BATTERY

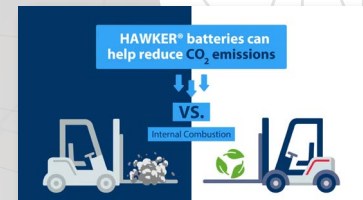
FLEX® TPPL BATTERY

FLEXPAK™ BATTERY PACK

ENERGY-PLUS™ BATTERY

FAST TRAK™ BATTERY

POWERLINE™ LM BATTERY



SUSTAINABLE SOLUTIONS BY HAWKER



BATTERY TECHNOLOGIES



MAINTENANCE FREE BATTERY TECHNOLOGIES

Two Advanced Technologies, One Superior Experience

Maximize productivity and profitability with HAWKER FLEX® maintenance-free solutions. No matter the size of your fleet or facility, HAWKER FLEX® batteries minimize downtime and reduce ownership costs, ensuring your operations run smoothly and efficiently.



LITHIUM-ION: SUPERIOR POWER FOR INTENSE APPLICATIONS

MEDIUM TO HEAVY DUTY APPLICATIONS • 2-3 SHIFTS PER DAY • 6-7 DAYS PER WEEK

Experience superior performance you can depend on with HAWKER FLEX® Li3 batteries. Extra-fast charging and up to 300% nominal energy throughput per day maximizing equipment uptime, while IoT-enabled technology ensures your battery is ready for the future. Engineered for efficiency, it drives accelerated payback – all built on a proven safety platform.



THIN PLATE PURE LEAD: HANDLE MATERIALS, NOT MAINTENANCE

LIGHT TO MEDIUM DUTY APPLICATIONS • 1-2 SHIFTS PER DAY • 5-6 DAYS PER WEEK

Discover the convenient power solution, HAWKER FLEX® TPPL batteries. Engineered for fast and opportunity charging, these maintenance free batteries are perfect for light to medium duty applications^[1] and feature intelligent, integrated data management tools, ensuring higher reliability and extended battery life.

FLEX® Li3 BATTERY

FLEX® TPPL BATTERY

FLEXPAK™ BATTERY PACK

Features & Benefits

- Maintenance free operations
- Zero battery change
- Flexible opportunity charging
- Fast recharge in 1–2 hours^[2]
- Highest sustainability and recyclability
- Warranty coverage of up to 5 and 7 years^[3]



[1] Up to 160% daily throughput. [2] Charging performance and equalization vary by application, battery technology and equipment. Please ask your HAWKER® representative for details. [3] HAWKER FLEX® TPPL battery comes with coverage of up to 5 years and HAWKER FLEX® Li3 comes with up to 7 years of coverage. Certain conditions apply. Please ask your HAWKER® representative for details.

PRODUCT SHEET

RIGHT CLICK THE BUTTON TO OPEN THE LINK IN A NEW WINDOW.



HAWKER FLEX® LI³ BATTERY

The Next Generation

Powering demanding applications with unmatched performance and reliability, the latest HAWKER FLEX® Li3 batteries are the pinnacle of advanced lithium-ion technology, providing maximum uptime in 24/7 heavy-duty operations. With HAWKER FLEX® Li3 batteries, we prioritize productivity with outstanding energy performance, reliable operation, and longer expected service life. Warranty cover includes up to 5 years (60 months), with an additional 2 years (24 months) on modules.**

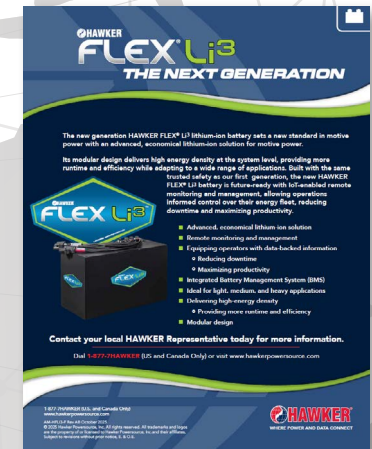
Designed to the most stringent safety and quality standards, next generation HAWKER FLEX® Li3 batteries help ensure safe operation in your equipment.

Features & Benefits

- **Superior Performance You Can Depend On:** Maximum equipment uptime due to extra-fast charge* and up to 300% nominal energy throughput per day for continuous multi-shift operations
- **Maximum Compatibility Across Your Fleet:** Modular design fits existing trays and the widest range of forklift models for quick, flexible fleet integration
- **IoT-Capable:** With built-in IoT capabilities, you have the option to optimize equipment, minimize interruptions, and reduce reliance on onsite service visits
- **Smarter Investment, Faster Return:** Industry-leading efficiency drives accelerated payback, making premium lithium power adoption cost-effective for a greater share of your fleet
- **Built On a Proven Safety Platform:** Robust battery management controls and time-tested features meet the most stringent standards for proven safety and reliability

* Based on charge acceptance rates - 1C/640 Amps

**All warranty coverage is subject to parameters as stated on official product warranty sheet.

[FLEX® LI³ BATTERY](#)[FLEX® TPPL BATTERY](#)[FLEXPAK™ BATTERY PACK](#)[ENERGY-PLUS™ BATTERY](#)[FAST TRAK™ BATTERY](#)[POWERLINE™ LM BATTERY](#)[PRODUCT SHEET](#)



BATTERY TECHNOLOGIES



HAWKER FLEX[®] TPPL Battery

HAWKER FLEX[®] Thin Plate Pure Lead (TPPL) batteries (2V and monobloc) provide significant operational benefits at a lower total cost of ownership compared to traditional flooded, gel or air mixed batteries. Assembled using a thin grid design of high-purity lead, TPPL batteries offer more available power via more plates per bloc and increased plate surface area. HAWKER FLEX[®] TPPL batteries are excellent for light to medium applications such as; production areas, retail stores, and membership warehouses, and provide a maintenance-free solution for areas experiencing difficulty with battery watering, cleaning, changing, and obtaining full recharges daily.

Features & Benefits

- TPPL Battery Technology has been proven and tested for almost a decade
- Excellent performance in partial state of charge operations
 - Short equalize charge weekly as part of the standard charging profile
 - Maximize the highest state of charge daily
- Perfect for applications requiring up to 1.6 throughput daily of rated capacity
- Ideal for opportunity and fast charging where frequent plug-ins are available
 - 40 to 80% state of charge in 1 hour (using an appropriately sized HAWKER charger)
 - .4C (40% of rated capacity) for 2V and .7C (70% of rated capacity) for bloc
- Perfect for light to medium applications – production areas, retail stores and membership warehouses
- Provides solutions for areas experiencing difficulty in battery watering, battery cleaning, battery changing, and obtaining a full recharge daily
- Environmentally friendly – 99% recyclable

[FLEX[®] LI³ BATTERY](#)[FLEX[®] TPPL BATTERY](#)[FLEXPAK[™] BATTERY PACK](#)[ENERGY-PLUS[™] BATTERY](#)[FAST TRAK[™] BATTERY](#)[POWERLINE[™] LM BATTERY](#)

FLEX SOLUTIONS
THE POWER OF PRODUCTIVITY

HAWKER[®] FLEX[™] batteries are the newest product in the HAWKER[®] solutions portfolio.

IDEAL APPLICATIONS

- Multi-shift
- Production areas
- Retail stores and membership warehouses
- Provide solutions in areas/applications with difficulty in lead acid batteries
 - Applications or facilities which prohibit flooded lead acid batteries
 - Battery watering
 - Battery cleaning
 - Battery charging
 - Cleaning at full recharge daily
 - Environmentally conscious

THE PURE TPPL INSIDE STORY

The Pure Thin Plate Pure Lead (TPPL) batteries use a thinner grid design of high-purity lead. The TPPL design results in increased plate surface area within a battery – and that means more available power.

Advantages:

- Pure lead stratigraphy fine grain structure makes the gridifier more resistant to corrosion.
- Pure lead grids with the same design life can be much thinner than can lead calcium grids (CLC) and maintain peak 99% fill.
- Very low internal resistance results in higher charge acceptance.

[PRODUCT SHEET](#)



HAWKER FLEX® TPPL – 2V Battery Enhancements

With more than 300,000 Thin Plate Pure Lead (TPPL) batteries successfully deployed worldwide, HAWKER continues to invest in continuous product improvement to better serve evolving fleet needs. The HAWKER FLEX® TPPL 2V battery line extension expands on this proven foundation by introducing U.S. specific cell sizes that increase usable capacity, improve cost efficiency, and broaden application coverage, all while maintaining the simplicity and reliability customers expect from TPPL technology. This evolution makes HAWKER FLEX® TPPL batteries an even clearer, easier upgrade from flooded lead-acid, without forcing customers toward lithium complexity.

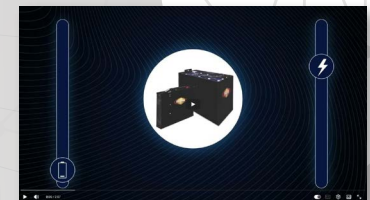
What's New:

- New 90Ah and 125Ah plate designs
- Americas-specific U.S. cell sizes
- Direct 1:1 replacement for common flooded lead-acid batteries
- Expanded coverage across Class 1, 2, and 3 equipment
- Warranty extended to 5 years (60 months), aligning with common lease structures *

Enhanced Performance:

- Up to 40% increase in usable capacity compared to DIN TPPL technology options, depending on model
- Lower cost per amp hour and lower cost per kWh delivered over battery life
- Faster recharge rates, including opportunity charging during breaks
- High-energy throughput supports multi-shift operations
- Optimized for simple trays, reducing ballast, and system complexity

*All warranty coverage is subject to parameters as stated on official product warranty sheet.

[FLEX® LI³ BATTERY](#)[FLEX® TPPL BATTERY](#)[FLEXPAK™ BATTERY PACK](#)[ENERGY-PLUS™ BATTERY](#)[FAST TRAK™ BATTERY](#)[POWERLINE™ LM BATTERY](#)[HAWKER FLEX AND FLEXPAK THIN PLATE PURE LEAD BATTERIES](#)

RIGHT CLICK THE BUTTON TO OPEN THE LINK IN A NEW WINDOW.



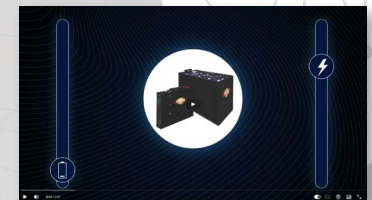
HAWKER FLEX® TPPL – 2V Battery Enhancements

• Why Is This Relevant Now?

- Warehouses demand higher throughput with fewer interruptions
- Labor, water, and maintenance costs continue to rise
- Customers want sustainability without operational risk
- Fleets need proven technology that fits today’s equipment, not tomorrow’s redesigns

• Delivering Solutions

- Seamless transition from flooded lead-acid to TPPL technology
- Higher amp-hour capacity without changing truck balance or footprint
- Reduced downtime through fast and opportunity charging
- Lower total cost of ownership driven by:
 - Zero maintenance
 - Higher usable energy
 - Improved productivity
 - Predictable lifecycle performance aligned to lease terms

[FLEX® LI³ BATTERY](#)[FLEX® TPPL BATTERY](#)[FLEXPAK™ BATTERY PACK](#)[ENERGY-PLUS™ BATTERY](#)[FAST TRAK™ BATTERY](#)[POWERLINE™ LM BATTERY](#)

HAWKER FLEX AND FLEXPAK THIN PLATE PURE LEAD BATTERIES

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BATTERY TECHNOLOGIES



HAWKER FLEX® TPPL – 2V Battery Cell Sizes

NEW 2V PRODUCT LINE – U.S. CELL SIZES

HAWKER FLEX® TPPL 2V LARGE FORMAT CELLS

90AH – CLASS 1		
90-13	6FLXA540	90-13
90-17	8FLXA720	90-13
90-21	10FLXA900	90-13
90-25	12FLXA1080*	90-13
125AH – CLASS 2		
125-13	6FLXA720	* Dual cable available
125-15	7FLXA840	
125-17	8FLXA960*	

2V UPGRADE FROM DIN TO U.S. CELL SIZES

HAWKER FLEX® TPPL 2V LARGE FORMAT CELLS

FLOODED CELL SIZE	FLOODED AH	DIN TPPL AH	NEW U.S. AH	INCREASE
90-17	680	FLX660	FLXA720	9%
90-19	765	FLX660	FLXA720	9%
90-21	850	FLX770	FLXA900	17%
90-23	935	FLX770	FLXA900	17%
90-25	1020	FLX770	FLXA1080	40%
125-13	750	FLX700	FLXA720	3%
125-15	875	FLX700	FLXA840	20%
125-17	1000	FLX770/840	FLXA960	25/14%

FLEX® LI³ BATTERY

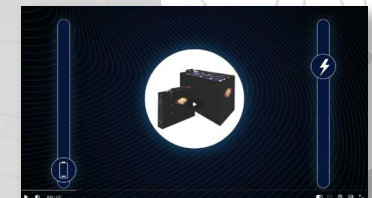
FLEX® TPPL BATTERY

FLEXPAK™ BATTERY PACK

ENERGY-PLUS™ BATTERY

FAST TRAK™ BATTERY

POWERLINE™ LM BATTERY



HAWKER FLEX AND FLEXPAK THIN PLATE PURE LEAD BATTERIES

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BATTERY TECHNOLOGIES

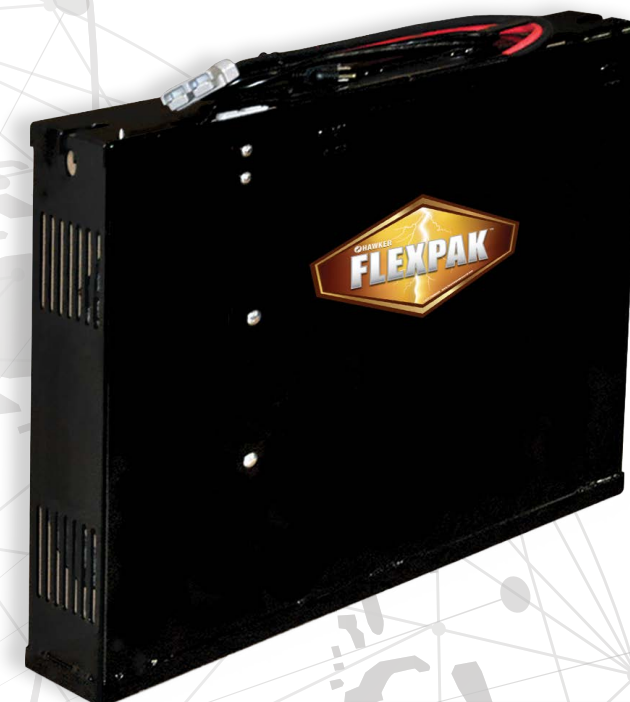


HAWKER FLEXPAK™ BATTERY/CHARGER PACK

The HAWKER FLEXPAK™ Thin Plate Pure Lead battery/charger pack offers outstanding flexibility and ease of use that will change the way you work. This sealed battery/charger pack can be used when and where you need it most for exceptional performance.

Features & Benefits

- Outfitted with a IP66 high-frequency charger, allowing easy charging via 110V AC outlets
- TPPL technology has been proven and tested for almost a decade
- Maintenance free
- Perfect for light to medium applications
- Ideal for opportunity and fast charging where frequent plug-ins are available
- Warranty extended up to 4 years (48 months)*



*All warranty coverage is subject to parameters as stated on official product warranty sheet.

[FLEX® LI³ BATTERY](#)[FLEX® TPPL BATTERY](#)[FLEXPAK™ BATTERY PACK](#)[ENERGY-PLUS™ BATTERY](#)[FAST TRAK™ BATTERY](#)[POWERLINE™ LM BATTERY](#)[PRODUCT SHEET](#)



BATTERY TECHNOLOGIES



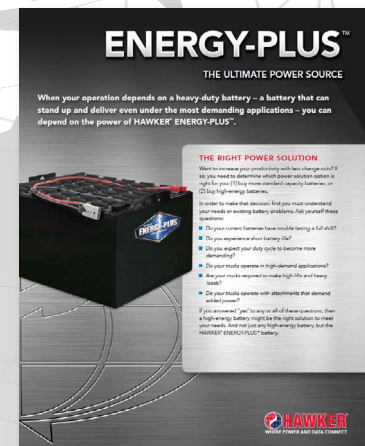
HAWKER ENERGY-PLUS™ BATTERY

When your operation depends on a heavy-duty battery—a battery that can stand up and deliver even under the most demanding applications—you can depend on the power of the HAWKER ENERGY-PLUS™ flooded lead-acid battery. For trucks that are operating in high-demand applications, making long runs and high lifts, and using attachments that require added power, the HAWKER ENERGY-PLUS™ lead-acid battery is the battery that can keep them moving faster and working longer.

Features & Benefits

- **UP TO 20% MORE ENERGY:** HAWKER ENERGY-PLUS™ delivers more active material than conventional batteries without an increase in tray size
- **LOWER OPERATING COSTS:** The HAWKER ENERGY-PLUS™ battery offers extended run time. Less change outs means a reduction in spare batteries and chargers. And fewer batteries means less watering maintenance, less charging and less room required for battery storage. Higher productivity and fewer batteries mean a reduction in the total costs of ownership
- **LONGER BATTERY LIFE:** The HAWKER ENERGY-PLUS™ battery is designed with a balance of active material and acid volumes for higher energy AND longer battery life. The HAWKER ENERGY-PLUS™ battery maintains an estimated cycle life of 1,500-2,000 cycles, based on one cycle per day and 80% DoD. Longer life = less expense
- **LONGER WORK CYCLES:** The HAWKER ENERGY-PLUS™ battery has a higher sustained voltage than any other battery in the industry. This means that your truck moves faster, works longer without recharging, and experiences less wear caused by excessive amp draw
- Up to 5-year +1 warranty depending on charging applications*

*All warranty coverage is subject to parameters as stated on official product warranty sheet.

[FLEX® LI³ BATTERY](#)[FLEX® TPPL BATTERY](#)[FLEPAK™ BATTERY PACK](#)[ENERGY-PLUS™ BATTERY](#)[FAST TRAK™ BATTERY](#)[POWERLINE™ LM BATTERY](#)[PRODUCT SHEET](#)



BATTERY TECHNOLOGIES



HAWKER FAST TRAK™ BATTERY

HAWKER FAST TRAK™ batteries are specially built for fast charging applications. Designed to handle higher current levels, these batteries feature rugged components like extra-thick inter-cell connectors, heavy-duty copper core posts to reduce resistance, increase conductivity and dual heavy-duty cables. Using this high-energy battery, customers can experience up to 17% more capacity. When properly maintained and used with an approved, properly sized rapid charger, these batteries come with a three-year limited warranty*—offering both performance and peace of mind.

Features & Benefits

- Double-thick, inter-cell connectors for better current distribution
- Dual heavy-duty 2/0 or 4/0 cables and a SB/SBX 350 amp connector that ensure your HAWKER FAST TRAK™ batteries are equipped to handle the higher current levels
- When maintained properly, customers can experience up to 17% more capacity



*All warranty coverage is subject to parameters as stated on official product warranty sheet.

[FLEX® LI³ BATTERY](#)[FLEX® TPPL BATTERY](#)[FLEXPAC™ BATTERY PACK](#)[ENERGY-PLUS™ BATTERY](#)[FAST TRAK™ BATTERY](#)[POWERLINE™ LM BATTERY](#)[PRODUCT SHEET](#)



BATTERY TECHNOLOGIES



HAWKER POWERLINE™ LM BATTERY

The HAWKER POWERLINE™ LM battery provides more power to standard demand applications, while reducing maintenance, leaving more time for operational productivity. Holding up to 32% more water than conventional batteries, reducing maintenance and its costs, the HAWKER POWERLINE™ LM battery only needs to be watered four to six times per year. Including a built-in water-level monitor, these batteries are designed to support your fleet's productivity and profitability.

Features & Benefits

- Less watering: four to six times per year
- Up to 120% daily throughput in opportunity charging applications
- Industry-leading run times and amp-hour capacity rating
- Extended run times allow trucks to last longer during a shift
- Available in 90, 100 and 125 amp-hour plates
- Up to 5-year +1 warranty depending on charging applications *



*All warranty coverage is subject to parameters as stated on official product warranty sheet.

[FLEX® LI³ BATTERY](#)[FLEX® TPPL BATTERY](#)[FLEPAK™ BATTERY PACK](#)[ENERGY-PLUS™ BATTERY](#)[FAST TRAK™ BATTERY](#)[POWERLINE™ LM BATTERY](#)[PRODUCT SHEET](#)



MODULAR, HIGH-FREQUENCY CHARGERS



Where Technology Meets Innovation

HAWKER modular, high-frequency chargers offer advanced scalability, redundant power, simplified service, and maximum flexibility to enhance customer's operations. Our modular smart chargers utilize our various charge profiles such as; IONIC, Opportunity and Fast Charge, while providing plug-and-play flexibility - eliminating possible downtime, and ensuring scalability for future power needs. All HAWKER chargers come with up to a 3 year (36 months) warranty.*



*All warranty coverage is subject to parameters as stated on official product warranty sheet.

[LIFEPLUS® MOD3 CHARGER](#)[LIFEPLUS® XTREME CHARGER](#)[LIFESPEED® MOD3 CHARGER](#)[LIFETECH™ MOD CHARGER FAMILY](#)[PTO™ MOD3 CHARGER](#)

HIGH-FREQUENCY,
MODULAR CHARGER FAMILY



HAWKER LIFEPLUS® MOD3 CHARGER

HAWKER LIFEPLUS® MOD3 chargers are the result of more than 35 years of high-frequency, smart charging experience. The HAWKER LIFEPLUS® MOD3 high-frequency switch-mode IONIC smart charger offers nine different charge profile options for operational flexibility and provides peak efficiency and non-stop power while reducing your battery charging costs, water consumption, and battery maintenance and repair costs.

HAWKER LIFEPLUS® MOD3 charger technology delivers the highest efficiency and power factor available in the industry – significantly reducing electrical consumption and demand charges.

Features & Benefits

CHARGING

- Charge Profiles offered: IONIC, Cold Storage, Gel, TPPL 2V, TPPL Bloc, TPPL Fast, Lithium and Opportunity Charging
- Condition charge (programmable DoD), De-sulphation charge
- Built-in arc-reducing circuit (arcless option available)
- High temperature charge interruption with BBWC device
- Automatic diagnosing of the battery
- Automatic equalization charge day and time of day
- Programmable delay start, either period of time after plugged-in or specific time of day
- Block-out timer to avoid peak demand

FLEXIBILITY

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

COMMUNICATION

- Wireless communication between charger and battery via BBWC monitoring device
- Bluetooth capability to download data & program charger configuration setting
- Optional Ethernet adapter
- LED indicators on each module for on/off or if a fault is detected
- Built-in real-time clock

CONSTRUCTION

- Light and modern design, shelf or wall mounted
- 4 3/8" multi-color TFT screen with customer programmable menu (background changes color with battery status)
- Adjustable cable settings (length and gauge)

GREEN TECHNOLOGY

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



LIFEPLUS® MOD3 CHARGER

LIFEPLUS® XTREME CHARGER

LIFESPEED® MOD3 CHARGER

LIFETECH™ MOD CHARGER FAMILY

PTO™ MOD3 CHARGER

[PRODUCT SHEET](#)



HAWKER LIFEPLUS® XTREME CHARGER

The HAWKER LIFEPLUS® Xtreme Charger is a fully IP54* rated battery charger designed to take on the toughest outdoor power challenges operations may face. It's the ultimate solution for demanding Ground Support Equipment (GSE), farming facilities and outdoor warehousing applications. Advanced features provide unbeatable benefits for keeping critical equipment powered and operational in even the harshest environments, around the clock.

*What is IP54? – This rating indicates electrical enclosure is protected from limited dust ingress and water spray from any direction. Designed for typical weather conditions, not for submersion or areas prone to flooding.

Features & Benefits

- Full communication with batteries via BBWC4 device and CAN communication protocol to fast charge HAWKER FLEX® Li³ lithium battery
- Up to 94% charging efficiency for maximum performance and energy savings
- Recharges all battery types
- Modularity allows for flexible capacity
- Easy setup and data download using free mobile app (Bluetooth enabled)
- Variable AC and DC cable length
- External IP54 cabinet pushbuttons for start/stop/equalize
- External IP54 cabinet main switch
- Onboard ethernet (internal connection)
- CE/UKCA/UL certified
- Fully programmable to your needs

[PRODUCT SHEET](#)[LIFEPLUS® MOD3 CHARGER](#)[LIFEPLUS® XTREME CHARGER](#)[LIFESPEED® MOD3 CHARGER](#)[LIFETECH™ MOD CHARGER FAMILY](#)[PTO™ MOD3 CHARGER](#)



HAWKER LIFESPEED® MOD3 CHARGER

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.

Features & Benefits

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 device
- 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 device
- Automatic temperature adjustment with BBWC device
- 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

[PRODUCT SHEET](#)[LIFEPLUS® MOD3 CHARGER](#)[LIFEPLUS® XTREME CHARGER](#)[LIFESPEED® MOD3 CHARGER](#)[LIFETECH™ MOD CHARGER FAMILY](#)[PTO™ MOD3 CHARGER](#)



MODULAR, HIGH-FREQUENCY CHARGERS



HAWKER LIFETECH™ MOD CHARGER FAMILY

HAWKER LIFETECH™ MOD1 and MOD1C modular, high-frequency smart chargers provide optimum charging, peak efficiency, maximum reliability, and nonstop power to meet the growing demands of our customers. The modular design of these chargers allows each individual power module to operate independently. Even if one module stops working, the other modules continue charging the battery, eliminating the risk of catastrophic failures and downtime.

Features & Benefits

- Flexible and adaptable in operation
- Modules automatically adjust based on a battery's charge cycle requirements.
- Modules adapt to a variety of battery capacities.
- Chargers feature HAWKER IONIC charge profile
- Wireless communication via the wireless BBWC diagnostic device.
- Simplified service
- Scalability for future needs



Where **TECHNOLOGY** meets **INNOVATION**
The LIFETECH™ MOD1 Charger Line



HAWKER is proud to introduce the new LIFETECH™ MOD1 and LIFETECH™ MOD1C modular high-frequency chargers. The modular design of the LIFETECH™ MOD1 Charger Line is designed to allow each individual power module to operate independently. Even if one module stops working, the other modules continue charging the battery - this eliminates the risk of catastrophic failures and downtime.

Key Benefits of the LIFETECH™ MOD1 Charger Line:

- Power you can count on
- Simplified service
- Eliminates downtime
- Scalability for future needs
- Flexible, adaptable, and fast
- Environmentally engineered

HAWKER
Power. You can count on.

It's time to go modular with HAWKER. Call 1.877.HAWKER.

20, Box 188 | 1481 Bawley Island Drive | Sheepshead Bay, Queens, NY 11434
P: (718) 224-7979 | F: (718) 224-7988 | E: sales@hawker.com | www.hawker.com



LIFEPLUS® MOD3 CHARGER

LIFEPLUS® XTREME CHARGER

LIFESPEED® MOD3 CHARGER

LIFETECH™ MOD CHARGER FAMILY

PTO™ MOD3 CHARGER

PRODUCT SHEET



HAWKER PTO™ MOD3 CHARGER

The HAWKER PTO™ MOD3 is a high-frequency, programmable-capacity, selectable DC voltage charger that provides an economical choice for charging. The HAWKER PTO™ MOD3 charger series offers Conventional, Opportunity, Cold Storage, Gel, and TPPL (2V and Bloc) charging profiles with a modular design to provide flexible, scalable, and redundant power to meet your growing fleet demands.

Features & Benefits

CHARGING

- Settable battery voltage and AH capacity
- Automatic equalization charge day(s)
- Condition charge (programmable DoD)
- De-sulphation charge
- Opportunity charge profile
- Programmable delay start after plugged-in
- Block-out timer to avoid peak demand

FLEXIBILITY

- Multi profile capability
- Programmable battery temperature
- Conventional I-U-I, Opportunity, Cold Storage, Gel, and TPPL (2V and Bloc) charge profiles

COMMUNICATION

- USB port to download charger data and upload firmware
- LED indicators on each module for on/off or if a fault is detected
- Built-in, real-time clock
- Programmable customer asset number

CONSTRUCTION

- Light-weight, modern design
- Cabinet can be shelf or wall mounted
- Power modules are easily installed or removed

GREEN TECHNOLOGY

- Energy savings with efficiency up to 94% and .96 power factor

[LIFEPLUS® MOD3 CHARGER](#)[LIFEPLUS® XTREME CHARGER](#)[LIFESPEED® MOD3 CHARGER](#)[LIFETECH™ MOD CHARGER FAMILY](#)[PTO™ MOD3 CHARGER](#)[PRODUCT SHEET](#)



ACCESSORIES



Accessories

As the leading provider of advanced motive power solutions, HAWKER develops customized monitoring and fleet management systems which provide easy-to-understand data to identify areas of improvement and reduce your operational costs while increasing your operation's productivity.

HAWKER offers a variety of diagnostic tools, products, and reports to streamline customers' motive power fleets and effectively manage their battery fleet operation.



[HAWKER ABI](#)

[HAWKER BBWC](#)

[HAWKER EDGE™](#)

[HAWKERNET™](#)

[HAWKER MOD-IFI™](#)



[HAWKER BATTERY & CHARGER SOLUTIONS](#)



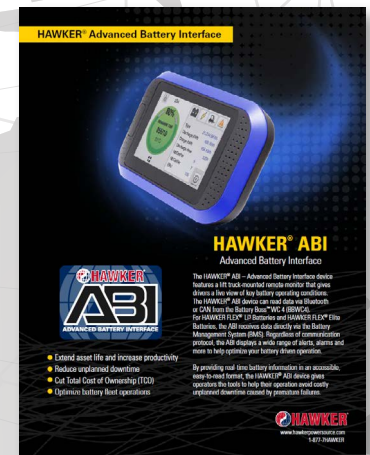
HAWKER® ADVANCED BATTERY INTERFACE (ABI) DEVICE

The HAWKER® Advanced Battery Interface (ABI) device features a lift truck-mounted remote monitor that gives drivers a live view of key battery operating conditions. The HAWKER ABI device can read data via Bluetooth or CAN from the BBWC4 device. For HAWKER FLEX® Li³ Batteries, the HAWKER ABI receives data directly via a CANbus Data Interface (CDI). Regardless of communication protocol, the HAWKER ABI device displays a wide range of alerts, alarms and more to help optimize your battery driven operation.

By providing real-time battery information in an accessible, easy-to-read format, the HAWKER ABI device gives operators the tools to help their operation avoid costly unplanned downtime caused by premature failures.

Features & Benefits

- Extend asset life and increase productivity
- Reduce unplanned downtime
- Cut Total Cost of Ownership (TCO)
- Optimize battery fleet operations
- Display includes: Remaining work time, temperature, State of Charge (SoC), low electrolyte indicator, and driver recharge notification via the BBWC diagnostic device.

[HAWKER ABI](#)[HAWKER BBWC](#)[HAWKER EDGE™](#)[HAWKERNET™](#)[HAWKER MOD-IFI™](#)[PRODUCT SHEET](#)



HAWKER BATTERY BOSS™ WC - BATTERY MONITORING DEVICE

The HAWKER Battery Boss™ WC 4 (BBWC4) battery monitoring device is a compact, wireless electronic device that attaches to the battery and provides real-time battery diagnostics.

The BBWC4 device monitors the battery based on capacity, temperature, State of Charge (SoC), and additional parameters maximizing battery performance and life. Data is quickly and easily downloaded with a PC, laptop, or smart device, and data stored in device memory is available in multiple formats for easy analysis. The BBWC4 device is UL listed, can be ordered separately as a battery accessory and is available for batteries consisting of 12, 18, 24, 36, and 40 cells.

HAWKER high-frequency, smart chargers are enhanced when combined with the HAWKER BBWC4 device. The BBWC4 provides real-time battery parameters wirelessly to the charger to optimize charging and health of the battery.

Features & Benefits

- Smaller, slimmer design making it easy to install and setup
- LCD screen displays critical battery parameters
- Monitors key battery parameters such as voltage, current, temperature, and more. Also monitors battery health (electrolyte level and battery “balance”)
- Maintains 8,200 cycles
- 3 selectable data modes – cycles, profiles, or events
- Bluetooth enabled to communicate with HawkerNET™ battery management system and HAWKER MOD-ifi™ smart device app. Can transfer data wirelessly up to 100-ft. away
- CANbus enabled to work with any CAN network, including the HAWKER ABI device
- Includes a Low Voltage Alarm (LVA)
- LEDs provide instant battery fault indications (overheated, low electrolyte, and out of balance)
- Passcode protected

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HAWKER EDGE™ CALCULATION SOFTWARE

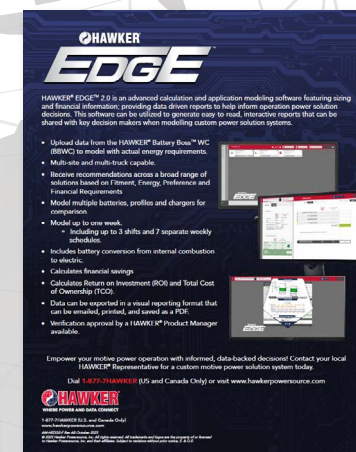
HAWKER EDGE™ software is the next evolution in sizing calculators for Lithium, Thin Plate Pure Lead (TPPL), Fast and Opportunity charging applications! HAWKER EDGE™ is a calculation software featuring sizing and financial information that provides data-driven reports to help inform your power solution decisions. Custom-developed analytics from the HAWKER Battery Boss™ WC (BBWC) device can be utilized to generate easy-to-read, interactive visualizations that display battery data to help you understand which HAWKER power solutions may work best for your operation and may lower Total Cost of Ownership (TCO).

Features & Benefits

- Multi-site and multi-truck capable
- Model multiple battery chemistries and chargers for comparison
- Model up to 1 week (including up to 3 shifts and 7 separate weekly schedules)
- Includes battery conversion from internal combustion (IC) to electric
- Calculates financial savings and Carbon Emissions savings
- Capable of projecting financial information up to 10 years for scalability*
- Calculates Return on Investment (ROI) and Total Cost of Ownership (TCO)



*Projections are estimates based on information available at the time of generation and are not guaranteed.

[HAWKER ABI](#)
[HAWKER BBWC](#)
[HAWKER EDGE™](#)
[HAWKERNET™](#)
[HAWKER MOD-IFI™](#)

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ACCESSORIES

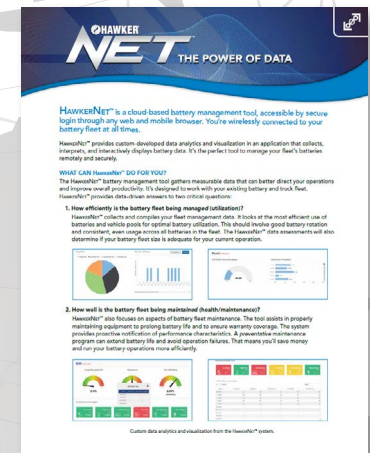


HAWKERNET™ Battery Management Tool

HAWKERNET™ is a cloud-based battery management tool, accessible by secure login through any web browser. This allows you to be wirelessly connected to your battery fleet at all times! The HAWKERNET™ battery management tool provides custom-developed data analytics and visualization in an application that collects, interprets, and interactively displays battery data.

Features & Benefits

- Gathers measurable data that can better direct your operations and improve overall productivity
- Designed to work with your existing battery and truck fleet
- Provides data-driven answers to 2 critical questions –
 - How efficiently is the battery fleet being managed (utilization)?
 - How well is the battery fleet being maintained (health/maintenance)?



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[HAWKER ABI](#)

[HAWKER BBWC](#)

[HAWKER EDGE™](#)

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[HAWKER MOD-IFI™](#)



HAWKER MOD-IFI™ SMART DEVICE APP

The HAWKER MOD-ifi™ smart device APP allows the monitoring of HAWKER® batteries to enable asset management and protection anywhere, any time. Users can setup any Bluetooth enabled smart device to extract data from a HAWKER Bluetooth enabled Battery Boss™ WC (BBWC3 and BBWC4) device or HAWKER Can Data Interface (CDI) to monitor battery usage, maintenance, and health. HAWKER MOD-ifi™ smart device APP users can monitor a single battery or a facility's entire fleet remotely with data gathered and stored via the cloud, and can easily share with others to generate reports.

By providing a convenient and easy-to-read way of viewing a facility's battery fleet, the HAWKER MOD-ifi™ smart device APP can help operations protect their assets and promote the best battery maintenance practices to help drive productivity and profitability.

Features & Benefits

- Available for FREE on Apple APP Store and Google Play Store
- Protect power system assets
- Optimize battery fleet operations
- Bluetooth enabled up to 100ft
- Easy-to-read reporting format
- May lower Total Cost of Operation (TCO)
- Monitors amp hours (Ah) charged/discharged, temperature, voltage and electrolytic levels, battery warnings and alarms, and State of Charge (SoC)




HAWKER ABI

HAWKER BBWC

HAWKER EDGE™

HAWKERNET™

HAWKER MOD-IFI™



HAWKER® MOD-ifi™
MOBILE APP

The HAWKER MOD-ifi™ smart device app allows the monitoring of HAWKER® batteries to enable asset management and protection anywhere, any time. Users can setup any Bluetooth enabled smart device to extract data from a HAWKER Bluetooth enabled Battery Boss™ WC (BBWC3 or BBWC4) or HAWKER Can Data Interface (CDI) to monitor battery usage, maintenance, and health.

The HAWKER MOD-ifi™ smart device app communicates via Bluetooth up to 100 ft. with quality HAWKER® Bluetooth enabled battery monitoring devices. The app then immediately displays the data on your mobile device in an easy-to-read, interactive format which can be shared in the cloud with other users.

By providing a convenient and easy-to-use way of viewing a facility's battery fleet, the HAWKER MOD-ifi™ smart device app can help operations protect their assets and promote the best battery maintenance practices to help drive productivity and profitability.

Features & Capabilities:

- Available for free for Android™ and iOS® operating systems
- Protect power system assets
- Optimize battery fleet operations
- Bluetooth enabled up to 100 ft.
- Easy-to-read reporting format
- Can lower Total Cost of Operation (TCO)

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SERVICE AND SUPPORT



DATA LEAD SOLUTIONS

Turning Actionable Data into Customer Success

HAWKER offers a variety of diagnostic reports to effectively manage and optimize customer's motive power operations. These data-backed tools provide valuable insight into customer's battery and charger performance, ensuring maximum life of assets at the lowest Total Cost of Ownership.

POWERCARE DASHBOARD

The HAWKER PowerCare Dashboard provides data-driven feedback 90-days post-implementation to review battery and charger performance, and provides cost-saving suggestions to fully optimize your battery fleet.

PREVENTATIVE MAINTENANCE REPORT

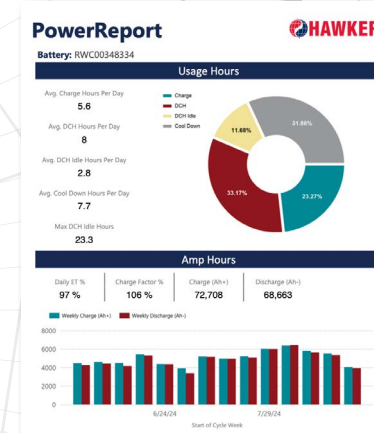
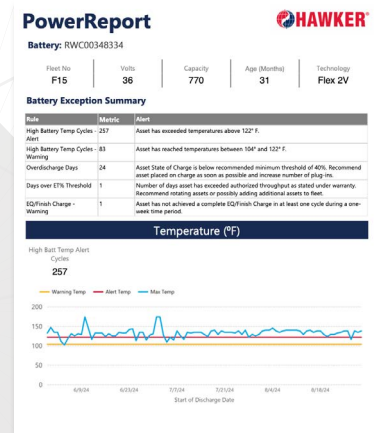
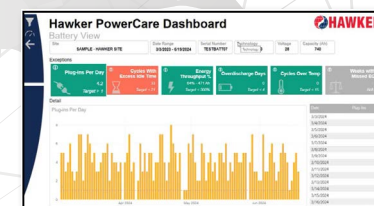
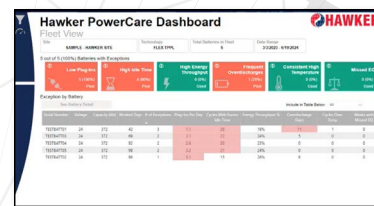
Maximize data provided by the HAWKER BBWC device to help reduce premature battery replacements, costly repairs, and unplanned downtime with scheduled Preventative Maintenance Reports. These reports offer valuable insights into the health, maintenance, and operation of battery fleets.

BATTERY REPLACEMENT REPORT

Looking to replace batteries approaching their economical end of life? The HAWKER Battery Replacement Report can help identify which batteries are failing using data directly from the HAWKER BBWC.

Features:

- Educate customers on their current battery and charger operations
- Encourage proper battery and charger usage
- Maximize customer one-on-one time, streamline the review process
- Provide fact-based, strategic solutions to achieve the greatest Return on Investment at the lowest Total Cost of Ownership



MORE ON SUSTAINABILITY

VIDEO

SERVICE AND SUPPORT/DEALER MAP

FIND A HAWKER DEALER

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SERVICE AND SUPPORT



HAWKER Dealer Network: Pairing Expert Solutions with Service and Support

When you purchase a HAWKER product, you are not only investing in a motive power solution but a lifetime partnership of service and support.

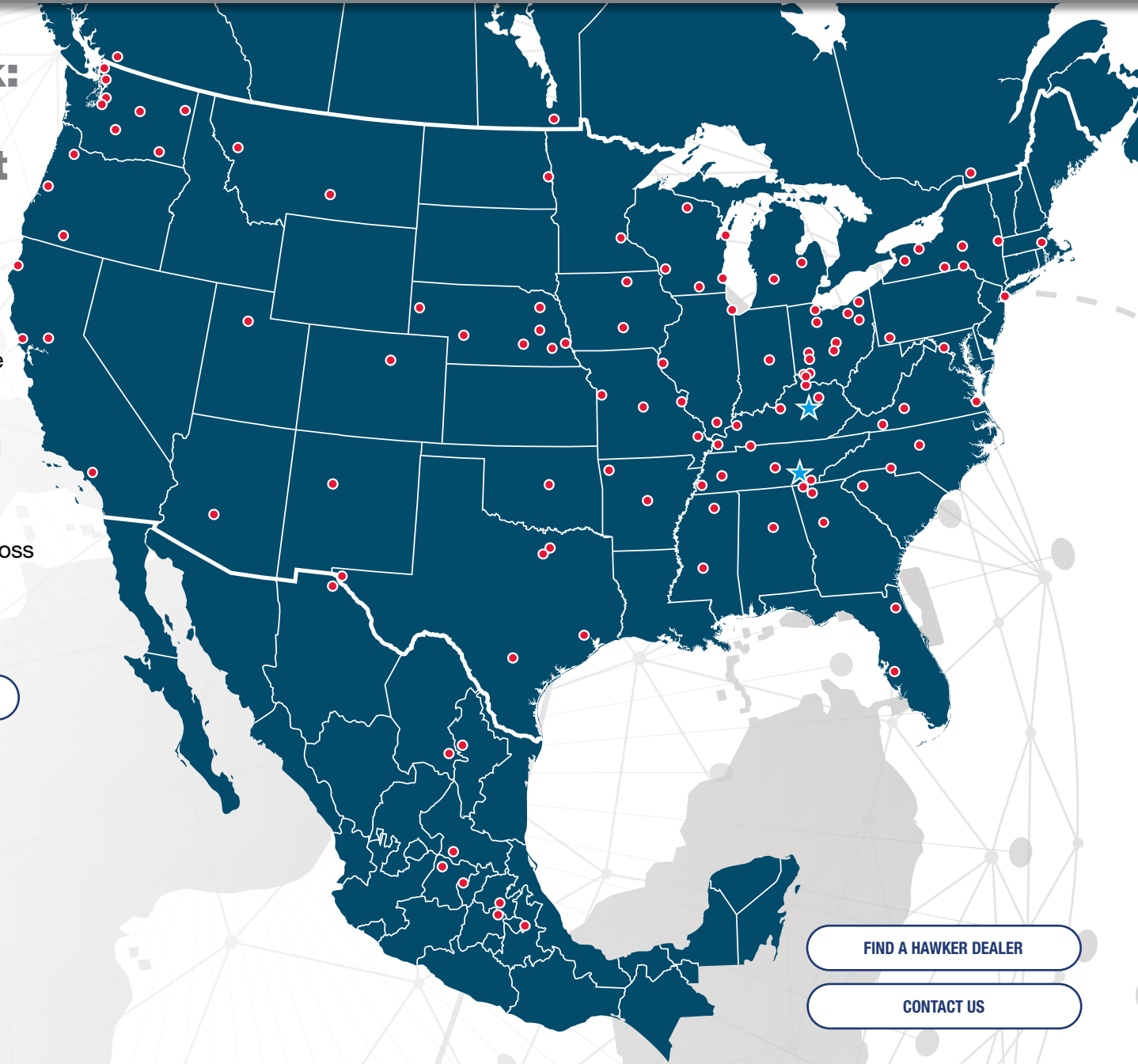
With more than eighty-five years of motive power experience, Hawker Powersource, Inc. provides more than simple sales and service to our dealers. We are genuinely invested in your business' success and will do all that we can to provide support, technology, and solutions that will enhance growth and improvement.

At HAWKER, we are focused on developing strong relationships with our network of premium dealers across North America.

Contact a local HAWKER Representative:
Dial 1-877-7HAWKER (US & Canada only), or

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CONTACT



HAWKER is supported by more than 75 authorized sales and service centers, including more than 35 stocking distribution facilities. With our extensive network of Authorized Sales & Service representatives, HAWKER has an in-house staff of sales and technical support experts who can help resolve problems, find your local representative, or determine which HAWKER product is best for your application.

We do whatever it takes to make sure your experience with our products and company is nothing short of excellent.

**Contact a local HAWKER Representative:
Dial 1-877-7HAWKER (US & Canada only), or**

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Defining the future of motive power through innovative technology and data driven solutions.

Contact your local HAWKER Representative Directly

(US and Canada Only): 1-877-7HAWKER

E: sales@hawkerpowersource.com



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