



HAWKER
perfect plus[®]

BATTERY
TECHNOLOGIES





HAWKER *perfect plus*[®]

EnerSys[®] is focused on rapid innovation and our whole team is driven by the desire to build the best energy solutions, working closely with our customers and suppliers to ensure service excellence.

SUPERIOR POWER — IMPROVED RELIABILITY



Increased capacity means longer run time.



Integrated plug-and-play power systems with compatible components from one trusted supplier.



System power and performance with ownership costs verified before purchase and a warranty you can count on.

THE POWER OF FLOODED TECHNOLOGY

Perfect Plus[™] is our standard flooded lead-acid product line. Engineered with robust tubular vented technology, Perfect Plus[™] batteries provide superior power and reliability for lift truck applications ranging from low capacity loading up to heavy-duty, multi-shift work.

SUPERIOR EFFICIENCY

Perfect Plus[™] battery cells provide higher capacity and efficiency in discharge, achieved by advanced components used in the construction of the positive plates.

Perfect Plus[™] batteries are suitable for all truck types (sizes in DIN and BS ranges).

This range meets the dimensions of standards DIN/EN 60254 and IEC 254-2.



ENHANCED FLOODED TECHNOLOGY



EASY TOPPING UP

The Aquamatic water refill system makes it possible to top up all the cells from one central point through an easy, integrated system which can be expertly fitted at the factory and on site.

CRAFTED WITH CUTTING-EDGE CELL CONSTRUCTION

Utilizing robust tubular vented technology (PzS) for the positive electrodes, our Perfect Plus™ batteries offer unparalleled efficiency and longevity. Crafted from high-impact, temperature-resistant polypropylene, the cell box and lid are heat-seal welded to ensure zero electrolyte leakage. Featuring fully insulated, halogen-free connectors for easy cell replacement to avoid unnecessary adjustments.

Flip-top plugs with electrolyte level indicators promote safe operation, allowing gases to escape during charging.

ACHIEVE OPTIMUM PERFORMANCE

The Electrolyte Circulation (EC) system consists of a pipe system which is fitted in the cells. Electrolyte circulation provides optimum performance, reduces recharge time, helps keep the battery cooler and maximizes battery service life in more arduous operations.

- EC technology ensures uniform charging without the risk of electrolyte and temperature stratification, enhancing battery performance.
- Achieve optimal charge acceptance across all plates, reducing stress and prolonging battery life.
- Charge your battery up to 30% faster and save up to 20% in energy costs compared to traditional charging methods.
- Experience up to 70% less water usage and minimized gassing.
- Up to 10°C cooler battery temperatures during charging, ideal for warmer environments.
- Shorter charging times mean your battery is ready faster, perfect for high-demand, multi-shift operations.
- Enhanced battery performance and longer lifespan, especially suitable for intensive use with opportunity charging.
- Benefit from longer maintenance intervals and lower overall maintenance costs.



HAWKER
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SUPERIOR EFFICIENCY
AND RELIABILITY

SHORTER CHARGING TIME

- Increased capacity means longer run time for your forklift trucks
- Recharge in 8-12 hours*
- Warranty: Specific country conditions and customer agreements apply

IDEAL APPLICATIONS

- Operations running 1-2 shifts per day, up to 5-6 days per week
 - Low to normal-duty applications
- Multi-shift operation with battery changes, 3 shifts per day, up to 7 days per week
 - Heavy-duty applications
- Industries: Automotive, Logistics, Retail & e-Commerce, Construction, Manufacturing



EVEN MORE APPLICATIONS

Perfect Plus™ batteries are suitable for use in the following material handling applications:

- Counterbalance trucks
- Reach trucks
- Pallet trucks
- Order pickers
- AGV/LGV

*When paired with our high-frequency chargers

AVAILABLE OPTIONS



ACTIONABLE INTELLIGENCE & CONNECTIVITY

A further option for Perfect Plus™ batteries is the Wi-iQ® battery monitoring device range, which precisely manages the state of charge and operating conditions of the battery as well as storing complete data of the battery's service life and provides fleet management reporting.

The Wi-iQ® battery monitoring device communicates with NexSys®+ Chargers, enabling battery temperature control, making it possible to work in colder environments.

Available free for Android™ and iOS® operating systems, the E Connect™ mobile app allows users to see and share a range of real time battery and charger operating data on smartphones or tablet devices.



LIFE Network™



BATTERY MONITORING

EnerSys® offers solutions that make managing your battery fleet straight forward and affordable. BSI40™, EZ Select™ and LifeNetwork™ are the spearheads of battery fleet management, enabling charging room management and communication with state of charge monitoring. Totally customizable to your needs, these solutions will make your energy and facility management easy and efficient.



OPTIMIZE YOUR POWER SOLUTION WITH THE LOWEST TCO

Before EnSite™ modeling software, finding the most efficient power solution for your material handling equipment meant relying on hand calculations and guesswork. But with EnSite™ modeling software, we use your application data to determine which battery and charger combination will be optimal for your operation's needs and goals.

We work with you to collect a range of data about your application. Then we use your data in our EnSite™ modeling software to find a solution that meets your requirements for the lowest TCO for your operation.

- Tailors solutions to meet application demands
- Compares battery and charger combinations
- Predicts overall application performance
- Estimates greenhouse gas reductions
- Calculates TCO reductions and overall ROI



OUR SOLUTIONS PUT TOTAL POWER IN MOTION FOR YOUR BUSINESS



● EnerSys® Direct ▲ EnerSys® Partner HQ EnerSys® EMEA Headquarters 📍 EnerSys® Motive Power Production

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

EnerSys® Motive Power solutions form a complete, turnkey power system to make your operations more productive and profitable. Motive Power batteries and chargers are utilized in electric forklift trucks and other industrial electric powered vehicles requiring stored energy solutions.

EnerSys® also provides aftermarket and customer support services to its customers in over 100 countries through its sales and manufacturing locations around the world.

Wherever you are in Europe, EnerSys® is within reach and ready to support your fleet with 40+ Service locations.

- 24/7 coverage from 150+ authorized service technicians
- Tailored service contracts to your requirements
- Proactive cloud-based monitoring and real-time service scheduling
- Comprehensive maintenance reporting and monitoring plans



Our battery support services range from system design, installation and certification to testing, maintenance and repair.



Our comprehensive recycling support program accepts lead acid batteries of all sizes, from all manufacturers.



Our advanced tools and technologies deliver actionable intelligence to optimize battery maintenance and operation.



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