CHARGING SOLUTIONS

IMPAQ™

NexSys®+

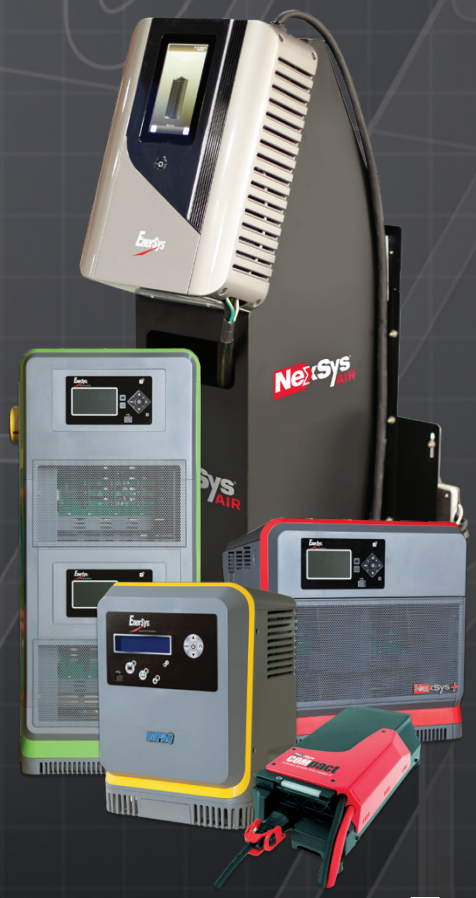
NexSys COMpact

Express®

NexSys® AIR

WIRELESS CHARGER

MOTIVE POWER BATTERY CHARGING REDEFINED



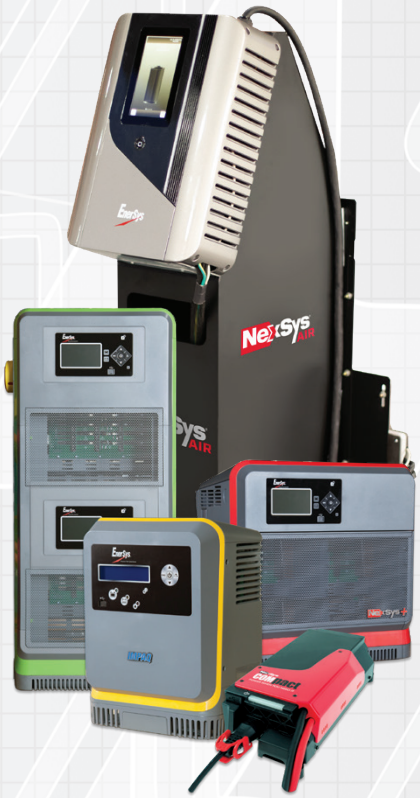
CE

EnerSys®

Power/Full Solutions

CHARGING SOLUTIONS

REDEFINING MOTIVE POWER CHARGING



As the global leader in stored energy solutions for industrial applications, EnerSys® has long been developing technologies to help material handlers maximize productivity and profitability. Our battery charger portfolio does it with opportunity and fast charging options designed for a range of performance and charging profiles and optimized to meet customer requirements.

OUR LATEST INNOVATION: SIMPLICITY

EnerSys® battery chargers are engineered to promote reliability an easier serviceability with flexible, modular designs that automatically maintain peak performance and efficient output – should one module develop a minor fault, the chargers will keep charging at reduced power to keep workflows moving. EnerSys® battery chargers also have some of the lowest component counts in the industry for better reliability.

Our ultimate goal? Offering motive power battery charging options that can help make your operation more productive and profitable.

AUTOMATIC BYPASS OF FAULTED MODULE

Continues charging process for uninterrupted operations

UP TO 94% EFFICIENCY

For maximum performance and energy savings

<10W CONSUMPTION IN STAND-BY

Complies with latest global efficiency standards

FLEXIBLE MODULAR DESIGN

Maintains peak performance and output

EnerSys®
Power/Full Solutions

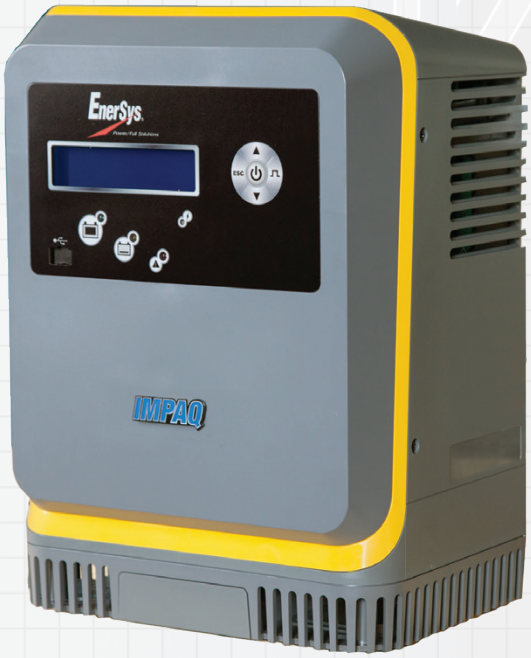
CHARGING SOLUTIONS

BEST-IN-CLASS HIGH-FREQUENCY CHARGING

IMPAQ™

IMPAQ™ battery chargers feature the latest technology to maximize charging performance while maintaining peak efficiency.

This light and compact unit offers intelligent battery charging with advanced efficiency and flexibility for material handling equipment, floor cleaning machines and industrial electric vehicles.



RELIABILITY

- IMPAQ™ battery chargers deliver a better value in high frequency charging. They feature a standard flooded lead acid battery charge profile and include the proprietary standard charge profiles for NexSys® TPPL batteries.
- IMPAQ™ battery charger modules are automatically switched on and off to maintain peak efficiency and optimum charging performance at all times.

SIMPLICITY

- IMPAQ™ battery chargers can be used with a wide range of battery capacities, allowing a potential reduction of chargers in your fleet. Fewer chargers means more space.
- IMPAQ™ battery chargers feature a intuitive LCD screen and bespoke programmable menu with LCD indicators for ease of use.
- Possible faults can be detected using the self-diagnostics feature so that replacement modules can be performed easily if required.

EFFICIENCY

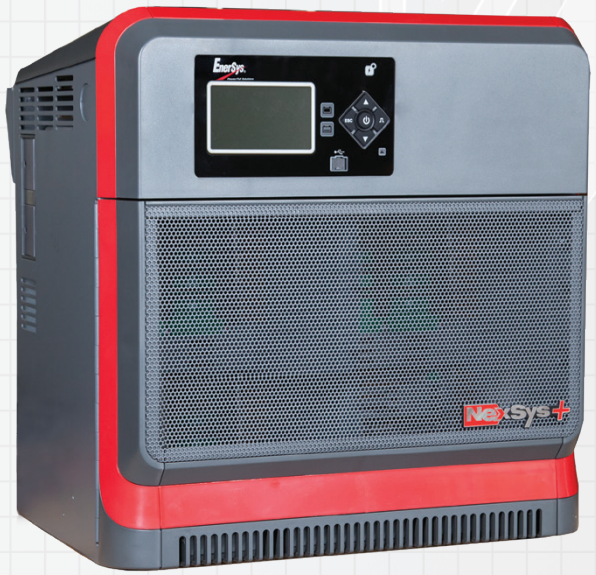
- IMPAQ™ battery chargers provide up to 94% efficiency for maximum performance and energy savings.
- With their flexible and modular design, IMPAQ™ battery chargers automatically maintain peak performance and efficient output.

PLUG-AND-PLAY PERFORMANCE

NexSys®+

NexSys®+ battery chargers have high charge rates that dramatically reduce recharge times and permit opportunity charging to increase productivity and boost fleet efficiency.

NexSys®+ charger profiles continuously diagnose and optimize battery condition to maximize cost savings and battery life.



SIMPLE & INTUITIVE

- NexSys®+ chargers are programmable and include charging profiles for NexSys® TPPL batteries, NexSys® iON batteries and all flooded battery technologies – helping with mixed fleets.
- Features a 4.3" multi-color dashboard screen with an intuitive interface to provide enhanced diagnostics and feedback to the operator.

SMART COMMUNICATION

- All NexSys®+ chargers are Wi-iQ® battery monitoring device enabled to provide battery type, voltage and capacity data to the charger.
- The charger will automatically compensate for temperature when the Wi-iQ® battery monitoring device is configured correctly.
- Achieve 94% efficiency in recharge when used with NexSys® iON batteries.

ROBUST DESIGN

- With high frequency (HF) modular technology, NexSys®+ chargers continue the charging process by automatically bypassing module faults to ensure uninterrupted operations.
- Available with a rugged IP54-rated enclosure for outdoor equipment applications.*

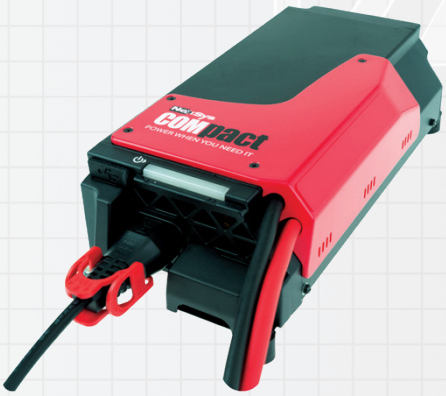
*Requires optional NexSys®+ Outdoor charger model with IP54-rated enclosure.

CHARGING SOLUTIONS

CHARGE ANYWHERE, ANYTIME

NexSys® COMpact battery charger is the onboard solution designed to fit most 24V batteries for Class 3 warehouse forklifts. With its advanced iQ intelligence* and compact size, this charger produces serious power on demand.

Eliminate unproductive transfers to inconvenient charging stations and battery change applications. When integrated with our NexSys® TPPL batteries, the truck can be recharged anywhere, anytime.**



NexSys COMpact

FLEXIBILITY

- NexSys® COMpact battery charger can be physically installed into the battery tray or into the truck, making charging fast and easy.
- NexSys® COMpact battery charger allows an operator to drive to the nearest AC socket and recharge the battery without needing to drive to the charging station.

SMART COMMUNICATIONS

- With Wi-iQ® battery monitoring device enabled, NexSys® COMpact battery charger will manage every step of the charging process, ensuring that your equipment runs at optimum capacity.
- NexSys® COMpact battery charger connects via Bluetooth to our intuitive E Connect™ App which provides robust monitoring of all chargers on site.

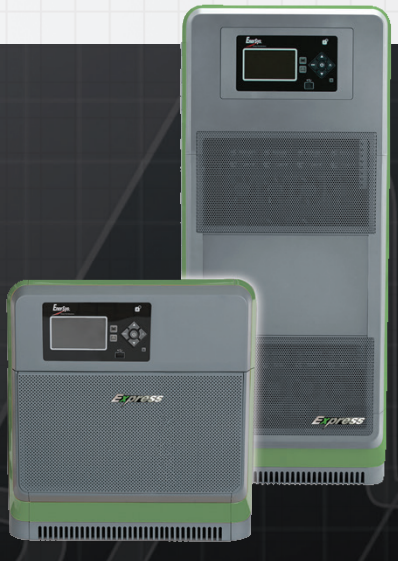
CONVENIENCE

- NexSys® TPPL battery technology enables fast and opportunity charging to extract more from one battery in a workday than ever before.
- NexSys® COMpact battery charger is virtually maintenance-free which means reduced service costs and manual intervention.

SAFELY FAST CHARGE ANYTIME

Designed exclusively for Express® batteries, Express® battery chargers quickly and safely fast-charge batteries anytime during the workday. It also adapts to a wide range of battery capacities, potentially reducing the number of chargers in a fleet.

- The IONIC™ charging profile consistently diagnoses the battery throughout the recharge and adjusts the charging profile to effectively charge the battery.
- The intelligent diagnostic sampling provides more rapid optimized charging of flooded cell batteries subject to very high demands.



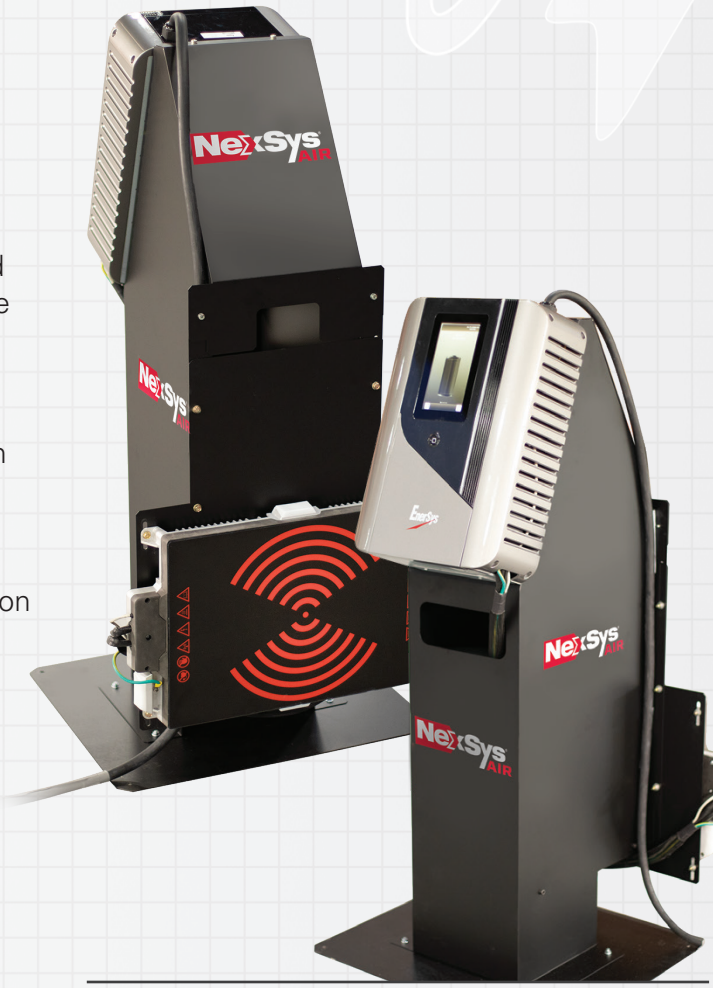
Express®

*The charger is embedded the functionalities of Wi-iQ® battery monitoring device.
**The charging area must be compliant with the EN 62485-3 standard.

CHARGING SOLUTIONS

HANDS-FREE CHARGING THAT DRIVES PRODUCTIVITY

NexSys® AIR
WIRELESS CHARGER



NexSys® AIR wireless chargers deliver the convenience of hands-free charging across a wide range of automated guided vehicle (AGV) applications. Able to charge multiple battery technologies, NexSys® AIR wireless chargers can help boost safety, reliability and productivity.

- Fully automated charging with no manual intervention
- Compatible with all EnerSys® battery technologies
- Eliminates physical wear from mechanical contacts
- Safety features include foreign and live object detection

CHARGING SIMPLICITY AND FLEXIBILITY

NexSys® AIR wireless chargers can charge flooded lead acid, NexSys® TPPL and NexSys® iON batteries. Along with eliminating cables, plugs, and related wear-and-tear, NexSys® AIR wireless chargers can eliminate AGV wait times for manual plug-ins.

NexSys® AIR wireless chargers are also designed to handle a wide range of vehicle types and sizes, offering exceptional integration flexibility. Equipment charging pads can be mounted in a variety of locations with either vertical or horizontal pad orientations.

CHARGE DURING:

- Intervals between runs
- Operating breaks or stoppages
- Any free time

INTUITIVE TOUCHSCREEN CONTROLS

EASILY-INTEGRATED CHARGING PAD

COMPATIBLE WITH:

FLOODED

TPPL TECHNOLOGY

LI-ION TECHNOLOGY

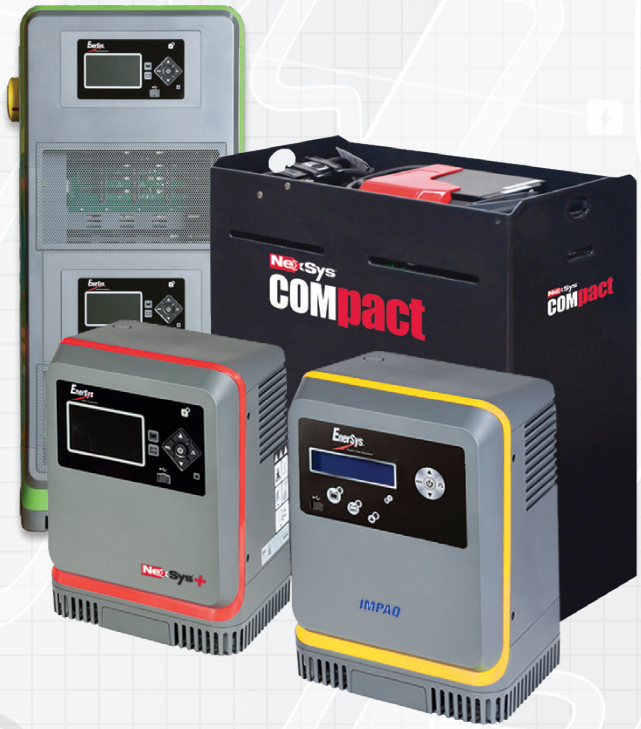
CHARGING SOLUTIONS

ENERSYS® HIGH FREQUENCY MODULAR CHARGING TECHNOLOGY

DESIGNING EFFICIENT ENERGY OPERATIONS

Despite the world's ever changing landscape, EnerSys® delivers break-through modular charging technologies to suit every application.

With high frequency (HF) modular charging technology, EnerSys® charging solutions continuously drive operational success whilst lowering Total Cost of Ownership (TCO).

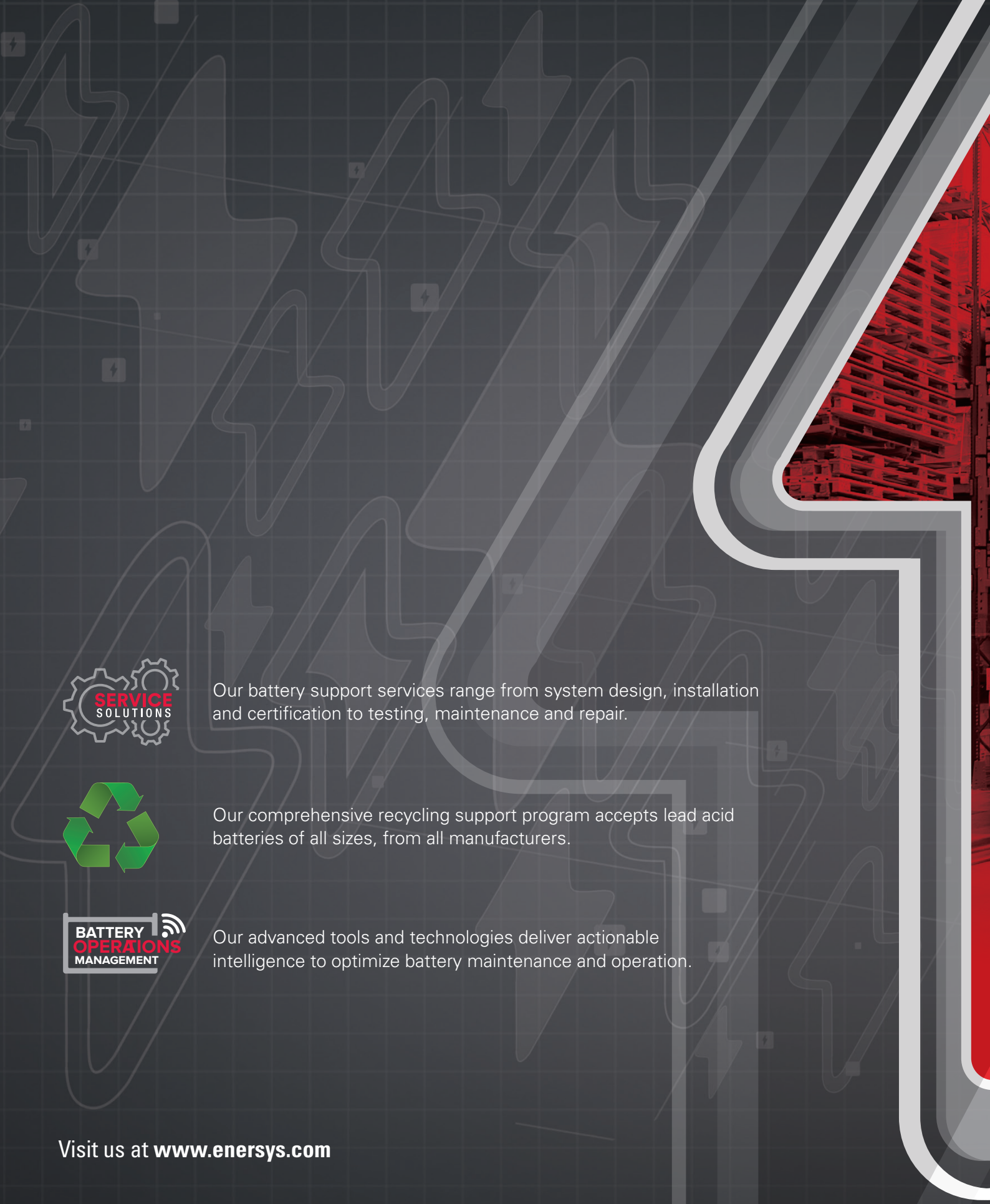


DRIVING EFFICIENCY BY:

- Prolonging battery life
- Reducing on-site maintenance
- Automating reporting and compliance
- Allowing system scalability and 'right-sizing'
- Setting up optimal charging periods when electricity prices are less expensive (optional software)
- Regulating the maximum power outputs for optimal energy consumption (optional software)

IMPROVING RELIABILITY BY:

- Eliminating single points of failure
- Decreasing the mean time to repair (MTTR)
- Increasing the mean time between failures (MTBF)



SERVICE SOLUTIONS

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.

BATTERY OPERATIONS MANAGEMENT

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

Visit us at **www.enersys.com**

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