



**NexSys<sup>®</sup>**  
**iON**

**BATTERIES**

THERE'S LITHIUM-ION,  
THEN THERE'S NEXSYS<sup>®</sup> ION.



# A SUPERIOR POWER EXPERIENCE



Backed by over 135 years of industry experience and 25 years of unmatched lithium expertise, EnerSys® continues to develop advanced technologies that help material handlers maximize productivity and profitability.

The latest evolution of NexSys® iON batteries brings significant design advancements inspired by customer feedback and based on years of in-field performance data. This redesign delivers superior performance, unmatched flexibility, and industry-leading efficiency – all built on our proven safety platform.

By delivering robust, dependable power, NexSys® iON batteries give material handling operations more time to focus on their core business. Or more simply put, NexSys® iON batteries offer a smarter power experience.



## **SUPERIOR PERFORMANCE**

With opportunity charge up to 300% nominal energy throughput per day for continuous multi-shift operations.



## **MAXIMUM COMPATIBILITY**

Modular design fits existing trays and the widest range of forklift models.



## **IOT ENABLED**

IoT-enabled technology ensures your battery is ready for the future.



## **SMARTER INVESTMENT**

Industry-leading efficiency drives accelerated payback.



## **PROVEN SAFETY PLATFORM**

Robust battery management controls and time-tested features meet the most stringent standards.



## BATTERIES

NexSys® iON battery solutions are built on EnerSys® deep expertise in advanced Lithium-ion (Li-ion) technology, benefiting from decades of innovation that also enabled our Li-ion systems to power the first Li-ion battery powered satellite in 2001 and support hundreds of satellites today.

Built to the highest safety, design and manufacturing standards, and ideal for medium- to heavy-duty applications. Low-upkeep NexSys® iON batteries are available in a scalable range of sizes and configurations. With built-in IoT capabilities, you have the option to gain access to settings, firmware updates, and performance data, enabling you to optimize equipment instantly, minimize interruptions, and reduce reliance on onsite service visits.

Whatever the size of your fleet or facility, NexSys® iON batteries can help cut downtime and battery ownership costs, contributing to more productive and profitable operations.



# NEXX



## Superior Performance You Can Depend On

- Maximum equipment uptime due to extra fast charge<sup>[1]</sup> and opportunity charging capabilities.
- Easy plug-and-play charging – no need to disconnect battery from the equipment.
- Available dual-cable charging for faster energy replenishment during work breaks and between shifts.<sup>[2]</sup>
- With Opportunity Charge up to 300% Nominal Energy throughput per day.
- Suitable for up to 3 shifts per day in 24/7 heavy-duty operations.
- Robust design for industrial environments.
- Extended run times at peak power with higher sustained voltages.
- Fewer plug-ins with up to 95% usable State of Charge (SOC).

## Maximum Compatibility Across Your Fleet

- Maximum energy content in a modular design that fits existing trays and supports the widest range of forklift models for quick, flexible fleet integration.
- Tailored energy content to match your specific application demands. Precisely sized power storage to minimize cost.
- Modular design enhances recyclability by allowing the product to be easily dismantled at end of life.
- Sized to fit Class 1, 2, and 3 lift equipment.
- Upsize or downsize power storage based on operational demand.

## Smarter Fleet Connectivity

- IoT-enabled.
- Controller Area Network (CAN) communication for full equipment integration on many models.

## Smarter Investment, Faster Return

- Engineered for industry-leading efficiency to drive higher productivity and reduce costs across your operation.
- Accelerated payback across the widest range of equipment fleets.
- A greater share of your fleet can now cost-effectively adopt premium lithium power.
- No hassles or surprise expenses from daily maintenance.

[1] Based on charge acceptance rates- 1C/640 Amps.

[2] Optional dual-cable recharging with select EnerSys® batteries and chargers only, please ask your EnerSys® representative.



### Built On a Proven Safety Platform

- Our robust, in-house battery management controls and time-tested features meet the most stringent standards for proven performance and reliability.
- Battery Management System (BMS) actively enforces protocols to optimize operational lifetime.
- Designed and engineered by EnerSys experts and rigorously tested and certified by authorised bodies (CE, UKCA, and EN 1175:2020).
- Mounted charge connectors ease plug-in operation, prevent connector charge, and prevent accidental drive-away when charging.

### Reliable Service Operations You Can Count On

- No multi-vendor hassles: Avoid issues related to integrating components from multiple vendors.
- Backed by over 135 years of industry experience and 25 years of unmatched lithium knowledge.
- Supported by over 800 factory-certified technicians and 24/7 service coverage worldwide.
- \$4.3B all LOB market cap with 10K customer base and a Motive Power installation base across 120+ countries.
- 8,000+ Motive Power application simulations across global customer base.





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