



NexSys[®]
iON

THERE'S LITHIUM-ION,
THEN THERE'S NEXSYS ION.



A SUPERIOR POWER EXPERIENCE



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 next giant step in that direction is the NexSys® battery product portfolio – a comprehensive line of intelligent, flexible power solutions that slash the unplanned downtime and unexpected operating costs associated with conventional lead acid batteries.

By providing simpler and more productive, predictable power, NexSys batteries give material handling operations more time to focus on their core business. Or more simply put, NexSys batteries offer a Superior Power Experience.



Efficiently charge during breaks to eliminate battery changing, and charge without long equalization.



Virtually maintenance-free power with no battery watering or washing requirements and no chance of spills.



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.



NexSys® iON battery solutions include the industry's most advanced Lithium-ion (Li-ion) technology from EnerSys® — a technology that powered the world's first Li-ion battery powered satellite in 2001 and currently powers hundreds of satellites in orbit.

Built to the highest safety, design and manufacturing standards, and ideal for heavy-duty applications, low-upkeep NexSys iON batteries are available in a scalable range of sizes and configurations. They also feature fully integrated battery management controls that support greater safety, reliability and battery life.

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.





Safeguards operations and operators

- Designed to meet CE and UL standards (UL2580 and the new EN 1175:2020)*
- Designed to the rigorous Automotive Functional Safety Standard ISO26262, exceeding standard industrial compliance requirements.
- Double-tray design
- External tray provides precise fit and balance weight
- Sized to fit most Class 1, 2, and 3 lift equipment
- Mounted charge connectors ease plug-in operation, prevent connector charge and prevent accidental drive-away when charging
- Battery Management System (BMS) actively enforces protocols to optimize operational lifetime
- Controller Area Network (CAN) communication for full equipment integration on many models

Cost-cutting convenience

- Faster recharge rates cut unproductive downtime
- No hassles or surprise expenses from daily maintenance
- Eliminate costly battery changing – optimized for opportunity charging
- Easy plug-and-play charging – no need to disconnect battery from the equipment

High performance cell design

- Engineered for optimum energy throughput
- Robust design for industrial environments
- Leverage gains from automotive industry development
- Cells sourced from suppliers committed to Organization for Economic Co-operation and Development (OECD) guidelines**

*Certification ongoing as additional variants are released

**More about OECD Due Diligence Guidance at www.enersys.com/en/about-us/suppliers/



Peak productivity

- Extended run times at peak power with higher sustained voltages
- Fewer plug-ins with >80% usable State of Charge (SOC)
- 24/7 operation with no downtime for watering***

Cost-effective modularity

- Precisely sized power storage to minimize cost
- Upsize or downsize power storage based on operational demand
- Minimize service downtime with replaceable modules

Comprehensive system integration

- Avoid issues related to integrating components from multiple vendors
- One comprehensive data and reporting solution
- Easy-to-use platforms provide operational support

***Requires EnerSys analysis for proper application sizing
Certification ongoing as additional variants are released



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