

Introducing...

**ADVANCED POWER SOLUTIONS THAT DELIVER
THE SUPERIOR POWER EXPERIENCE**

NexSys[®]

INTELLIGENT FLEXIBLE POWER

EnerSys[®]
Power/Full Solutions

EXPERIENCE WHAT'S

NexSys®

from EnerSys®

For over 100 years, EnerSys® has continuously been at the forefront of the material handling industry, providing a breadth of power solutions, systems and service to maximize productivity and profitability.

Continuing on this path and with a commitment to enhance the customer experience, EnerSys invites you to **Experience What's NexSys** – power solutions and systems that deliver high reliability, low upkeep, high productivity and low risk for industrial vehicles of all types – no matter the size of the operation.

 The NexSys Experience – Simply Superior Power



Breakthrough battery and charger technologies for sustainable, trouble-free power. Sophisticated data systems that assess operations and identify the ideal solution for any operation. These fully integrated systems alleviate concerns of operational costs, downtime and maintenance and allow you to focus on core business operations.



High Reliability

Integrated power systems engineered and customized to each vehicle with the flexibility to meet changing demands.



Low Upkeep

Virtually maintenance-free solutions require no watering, no equalizing, no hassles or mess and no unpredictable labor and repair costs.



High Productivity

High-density power solutions that simply run longer, require no change-outs and charge faster, ultimately resulting in less downtime.



Low Risk

Engineered to the highest standards by EnerSys® – a trusted supplier and global leader in stored energy solutions for industrial applications with over 100 years of experience.



Built to the highest safety, design and manufacturing standards, NexSys® iON battery solutions are poised to be the premium Lithium-ion (Li-ion) offering to power your material handling vehicles. It is offered in multiple sizes and configurations and integrated with innovative battery management technology to deliver Intelligent Flexible Power that is not only reliable but increases productivity and profitability across lift truck operations.

Intelligent

Construction

- › Designed to meet ISO26262 quality and functional safety standards
- › Large format prismatic cell technology delivers higher reliability than small format cells
- › Nickel Manganese Cobalt (NMC) chemistry for faster charging and 80% recyclability
- › Laser welded cells and rugged construction

Controls

- › Controller Area Network (CAN) communication with truck and charger for greater control and safety
- › AutoSar® software control design incorporates innovative electronic systems that further improve performance, safety and sustainability
- › Integrated Battery Management System (BMS) within the electronic control module provides protection, control and communication to the charger and truck

Redundant safety controls

- › Wi-iQ® battery monitoring device collects data 24/7 and provides insight into product performance

Convenience

- › Modular design enables custom sizing and capacity to add power modules based on increased demand
- › ENS Connect mobile app shows data from Wi-iQ device and allows monitoring of batteries and chargers to ensure asset protection
- › Xinx™ Battery Operations Management system provides internet-based reporting
- › Modular serviceability
- › Wireless charging ready

››› ADVANCED LITHIUM-ION TECHNOLOGY



Flexible

Your Choices

- › Fully populated modules or room for growth
- › Many or few charging intervals
- › Achievable 3-, 5- or 7-year battery life

Your Experience

- › Easy plug and play charging – no need to disconnect the battery from the truck
- › App-based and cloud-based reporting
- › BMS ensures over discharge protection

Your Cost of Ownership

- › Customize and combine NexSys® battery and charger technologies to satisfy operational needs
- › Virtually maintenance-free – no watering, changing, equalizing or acid spills
- › Minimal downtime with optimized charging



NexSys® PURE batteries are designed with advanced Thin Plate Pure Lead (TPPL) technology, giving you highly reliable, cost-effective power, without the restrictive requirements of watering, equalizing and battery changing tied to conventional lead acid batteries. NexSys PURE batteries feature an advanced lead technology that offers Intelligent Flexible Power, making them a superior solution when you're looking to achieve predictable and sustainable performance and maximum profitability.

Intelligent

Construction

- › Maximized container space for larger plate design and increased battery capacity
- › Fan for optimized airflow and thermal management
- › Optimized for fast and opportunity charge applications

Controls

- › BMS manages charge and thermal controls
- › NexSys+ modular charger slashes recharge times and permits opportunity charging
- › Wi-iQ® battery monitoring device provides continuous wireless data stream and stores history of the battery
- › CAN communication with truck and charger for greater control and safety

Convenience

- › TruckiQ™ connectivity to truck data system provides real-time visibility of battery status
- › ENS Connect mobile app shows data from Wi-iQ device and allows monitoring of batteries and chargers to ensure asset protection
- › Xinx™ Battery Operations Management system provides internet-based reporting

››› THIN PLATE PURE LEAD TECHNOLOGY



Flexible

Your Choices

- › Increased capacities allow for wider varieties of applications

Your Experience

- › Easy plug and play charging – no need to disconnect the battery from the truck
- › App-based and cloud-based reporting
- › BMS ensures over discharge protection

Your Cost of Ownership

- › Customize and combine NexSys® battery and charger technologies to satisfy operational needs
- › Virtually maintenance-free – no watering, changing, equalizing or acid spills
- › Minimal downtime with optimized charging

EnerSys® Advanced Solutions that Deliver a Superior Power Experience

EnerSys® delivers leading-edge power solutions, guidance and expertise to optimize fleet efficiency and future-proof distribution, production and warehouse operations. Exceeding our customers' expectations and supplying the highest quality products and services are paramount at EnerSys. This belief is the foundation that helps shape the company's vision for progress and allows our customers to achieve their goals.



www.enersys.com
www.discovernexsys.com/us

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