



**NexSys<sup>®</sup>**  
**TPPL**

HANDLE MATERIALS, NOT MAINTENANCE.  
**TRUST THE POWER OF NEXSYS<sup>®</sup> TPPL.**



**CE UK  
CA**

**EnerSys<sup>®</sup>**  
Power/Full Solutions



# 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.

The NexSys® battery product portfolio is 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.



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® TPPL (Thin Plate Pure Lead) battery solutions provide maintenance-free power for thousands of applications around the world.

Optimized for fast and opportunity charging, maintenance-free NexSys® TPPL battery solutions are ideal for light to medium-duty applications, while an optional Accelerated Throughput Package is available for certain higher-volume applications, and in a range of capacities and configurations. They also include intelligent, integrated data management tools that support higher reliability and longer battery life.

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

### **Thin Plate Pure Lead (TPPL) Technology**

NexSys® TPPL technology offers significant advantages when compared to traditional lead-acid. Lead-calcium alloy grids are prone to corrosion during normal operation, leading to a loss of current and reduced battery life. In contrast, TPPL grids, made from pure lead, are thinner and provide more surface area, resulting in greater power output. The pure lead grain structure minimizes resistance and significantly reduces the likelihood of corrosion, thereby enhancing the battery's performance and longevity.





## **Safeguards operations and operators**

- Time-tested durability in military/industrial applications
- Sealed construction – no acid exposure, spills or messes
- Minimal gassing – ideal for operation in sensitive areas

## **Low-upkeep and more productivity**

- Maintenance-free – no watering, battery cleaning or long equalize charges
- No battery changing – less downtime and more productivity
- Longer storage life – up to 18 months when fully charged

## **Thin Plate Pure Lead (TPPL) technology**

- Pure lead plates for lower corrosion rates and longer life
- Thin plate structure results in higher energy throughput
- TPPL batteries are 99% recyclable

## **Design that powers productivity**

- 3X more plates vs. flooded batteries
- 10% more energy dense vs. flooded batteries

## **A more flexible workflow**

- Full fast charge in less than 2 hours\*
- Charge during breaks and whenever convenient

## **Integrated data communication**

- Automatic alerts when it's time to recharge
- Data captured for battery monitoring
- CAN integration with some OEM's

\* Complete full recharge will take approximately 4 hours, once per week. Subject to charging rate.





## **BOOST YOUR OPERATIONS WITH THE NEXSYS® TPPL ACCELERATED THROUGHPUT PACKAGE (ATP)**

Upgrade your NexSys® TPPL batteries with our Accelerated Throughput Package (ATP) to improve charging performance and thermal management. This optional upgrade boosts energy throughput capability to help keep your equipment productive in high-volume applications.

- Up to 98% recharging efficiency
- Boosted energy throughput capabilities
- No maintenance
- Ideal for high-volume applications
- Available for a range of Class 1 and Class 2 applications



To find out if your operations would benefit from NexSys® TPPL ATP batteries, connect with an EnerSys® representative to schedule an assessment of your application with EnSite™ modeling software.



**HANDLE MATERIALS, NOT MAINTENANCE.  
TRUST THE POWER OF NEXSYS® TPPL.**



#### **SERVICE AND SUPPORT**

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 MONITORING**

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



#### **EnerSys World Headquarters**

2366 Bernville Road  
Reading,  
PA 19605, USA

[www.enersys.com](http://www.enersys.com)

#### **EnerSys EMEA**

EH Europe GmbH  
Baarerstrasse 18  
6300 Zug, Switzerland

#### **EnerSys APAC**

No. 85, Tuas Avenue 1,  
Singapore 639518  
+65 6558 7333