



# NexSys<sup>®</sup> TPPL

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



# 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.



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.



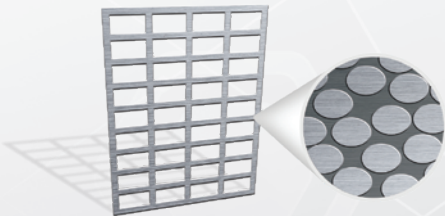
System power and performance with ownership costs verified before purchase and a warranty you can count on.

# NexSys® TPPL

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

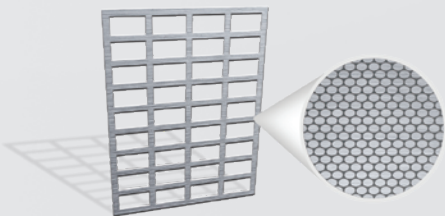
Optimized for fast and opportunity charging, low-upkeep NexSys® TPPL battery solutions are ideal for light to medium-duty applications, while an optional Accelerated Throughput Package is available for certain higher-volume applications, and in a range of capacities and configurations. They also include 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.



## Conventional lead acid grids

Lead alloy calcium grids have wide spacing between the metal grains, which makes the grids susceptible to corrosion, grid growth, current loss and reduced battery life.



## TPPL grids

Featuring pure lead, NexSys® TPPL battery grids are thinner, with more surface area for more power. The very fine grain structure further boosts power by reducing resistance, even while resisting corrosion.





### **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



**xsys<sup>®</sup>**  
**TPPL**

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**TPPL**

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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.



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



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