



NexSys
PURE

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NEXT-GENERATION
THIN PLATE PURE LEAD (TPPL)
TECHNOLOGY



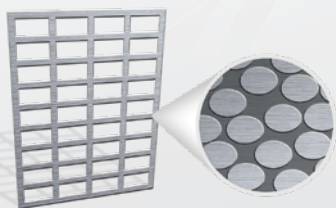
EnerSys
Power/Full Solutions



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

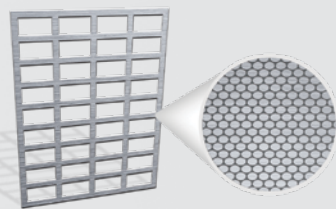
Optimized for fast- and opportunity-charging, low-upkeep NexSys PURE batteries solutions are ideal for light- to medium-duty applications and available in a range of capacities and configurations. They also include intelligent, integrated data management tools that support higher reliability and longer battery life.

Whatever the size of your fleet or facility, NexSys PURE batteries will cut downtime and battery ownership costs and ultimately, make your operation more productive and profitable.



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 PURE 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.



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.



Maximize run time – efficiently charge during breaks to eliminate battery changing, and charge without long equalization times.



Virtually maintenance-free power solutions with no battery watering, no battery washing, and no chance of messy acid spill clean-ups.



Convenient, integrated, plug-and-play power systems with no compatibility issues, and no need to manage multiple vendors.



Trustworthy power – system performance and ownership costs are verified before you buy, and backed by a supplier and a warranty you can count on.



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

- Virtually maintenance-free – no watering, battery cleaning or long equalize charges-
- No battery changing – less downtime and more productivity
- Longer storage life
 - Gen1: up to 24 months when fully charged
 - Gen2: 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



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