

General Battery™

Reliable Power for Lift Truck and Pallet Jack Performance.



EnerSys
Power/Full Solutions

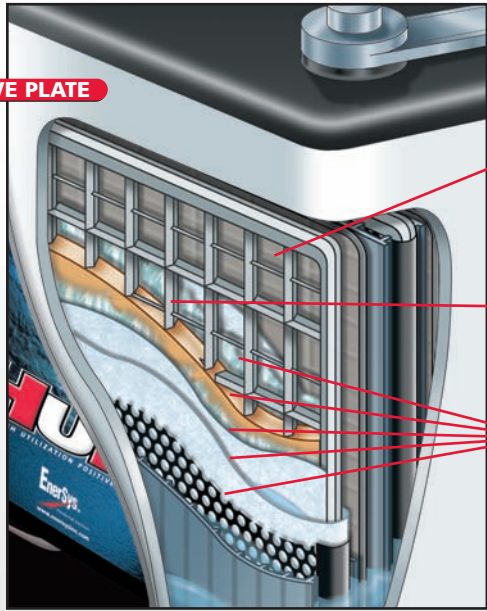
High Utilization Positive Batteries When a Premium Flooded Battery is Required.

Our High Utilization Positive (HUP[®]) batteries feature a revolutionary, patented design. And the battery is so dependable that it's backed by the longest standard warranty in the business. The HUP battery design ensures you receive more runs per shift, a higher capacity for sustained performance during each shift and less maintenance downtime.

HUP battery plates significantly reduce flaking and shedding of positive plate materials – the chief reason for battery failure. The design of the HUP battery's positive plate grid is the secret behind its success. That's because the grid's design allows for the maximum amount of lead paste – the active material that reacts with electrolyte to produce electrical current. The material is locked into place during a controlled curing process. So the lead paste remains cohesive, and contact with the positive grid remains in place far longer than in standard batteries.



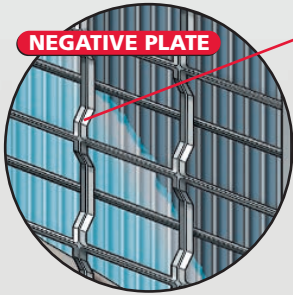
POSITIVE PLATE



The Design Advantages Are Built Into the Plates.

- Design:** A computerized casting results in less flash and better crystallization during the grid molding process.
Advantage: Stronger, thicker positive grids that are less susceptible to corrosion. The HUP battery's positive grid is the heaviest in the industry.
- Design:** The HUP battery's grid design allows for the maximum amount of active material in each plate.
Advantage: More active material for a stronger more consistent performance and increased capacity.
- Design:** HUP battery's exclusive five-layer wrap.
Advantage: The horizontal and vertical plate wrapping provides additional protection against shedding of the positive active material.

NEGATIVE PLATE



- Design:** The negative plate is designed with a staggered grid pattern.
Advantage: A perfect match for the heaviest positive plate, the staggered grid provides for the greatest amount of active material.

Quality Has Its Rewards.

When you purchase a HUP battery, you are eligible to enroll in our Power Payback Program.

Here's how it works: Five years after you purchase a HUP battery, we'll credit you with 15% of the original purchase price when you purchase a new HUP battery. Along with the HUP Warranty, the Power Payback Program assures you of continuous HUP battery performance.



Standard on every HUP battery, the Flip-Top Vent Cap speeds battery maintenance up to 50% by reducing watering times. No more twisting caps or spilled electrolyte, reducing the costs of routine care.



Renegade™ Sealed Gel Battery

Superior Performance, Low Maintenance.

A Renegade™ battery has the power to boost performance, economy, safety and productivity. And, because of its gelled technology, it's virtually maintenance free. The Renegade battery offers more available power, with faster, easier charging and increased stability. Plus they're safer for workers as well as the environment.

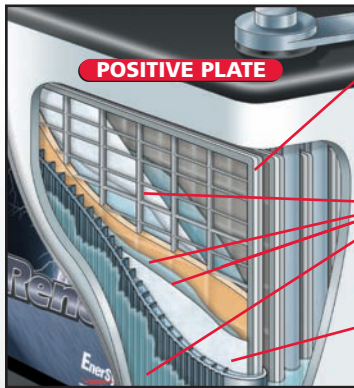
Here's why. Unlike flooded batteries, the Renegade battery never needs water and the gel won't run, creep or spill.

In addition, the vertical design optimizes space, allowing the largest battery to fit in standard truck battery footprints. This provides for greater power, proper counterweight, increased stability and even efficient heat dispersion.

A unique pressure value maintains proper internal pressure for oxygen recombination, extending battery life, and virtually eliminating odors and environmental concerns. Insulated connectors deliver constant, maximum electrical capacity, with no maintenance required. And a new jar cover design improves post seal, eliminates acid creeping and prevents dryout. It all adds up to the best "maintenance-free" battery in the business.



Renegade™ Battery Advantages Revealed.



Design: A positive plate with a heavier, thicker grid design.

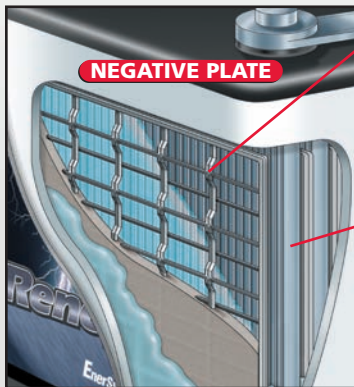
Advantage: Increases contact with active material for more power and extended battery life.

Design: Gelled electrolyte.

Advantage: Promotes gel adhesion to the positive plate.

Design: Glass mat wrap.

Advantage: Promotes gel adhesion to the positive plate.



Design: The negative plate is designed with a staggered grid pattern.

Advantage: A perfect match for the heaviest positive plate, the staggered grid provides for the greatest amount of active material.

Design: A sleeved positive plate separator with a unique back-rib design.

Advantage: Eliminates shorts and potential problems with misalignment. The unique back-rib design increases electrolyte flow and maximizes contact with the negative plate.

Plug-and-Go Renegade™ Power Paks. Safe, Easy, Convenient.

The Renegade™ Power Pak features a battery and charger, all in one rugged steel case that never needs to be opened. You can charge light and medium duty batteries conveniently and automatically. Just plug the power cord into any 15A, 120V outlet. The Renegade Power Pak charges automatically, no manual timers or buttons and no chance for under or over charging. The exclusive direct connect eliminates the need to disconnect the battery from the truck during charging.



The General™ Battery

When Only A Quality Flooded Battery Will Do.

Our General™ batteries are designed around your individual applications, to meet your specific demands and deliver the ultimate in value. Each General battery is built in our own ISO 9001 certified plants. We were the first in our industry to achieve this certification, and we continue to improve our processes in order to assure you of exceptional quality and superior performance. That's our commitment to our customers.

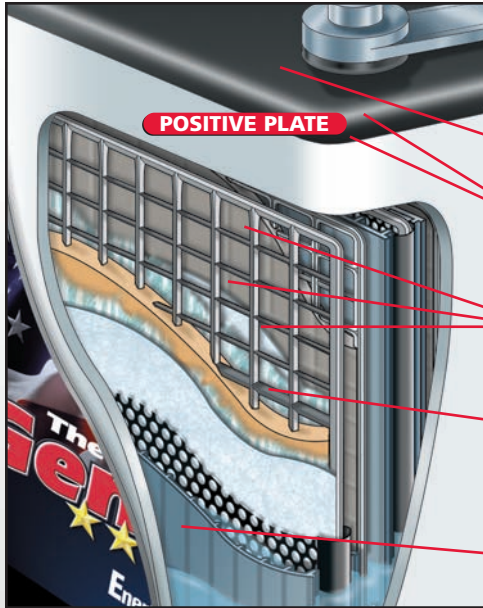
General batteries supply a battery lifetime of dependable power. We promote the highest quality standards to provide you with the best product, at the best value. Each General battery has numerous built-in features to ensure outstanding performance.

Plug and go General™ Power Paks for a Convenient Charge Anywhere.

The General™ Power Pak combines our 12V or 24V battery with a self-contained, plug-in charger. Each General Power Pak features all the long-life components of its larger companions. So you get economical, dependable performance for all jobs – from pallet jacks to stand-up riders, tuggers and order-pickers.

The built-in charger uses Silicon Controlled Rectifier (SCR) technology and dv/dt termination. The result: fully automatic, fool-proof charging, anywhere you need it. Just plug it in, and you're set to go.





Quality Flooded Batteries Are Built From Within.

- **Design:** Lead insert bushings.
Advantage: Prevents electrolyte creepage.
- **Design:** Injection-molded, polypropylene jars with heat sealed jar-to-cover seals.
Advantage: Prevents corrosion and guards against leaking. In fact, the jar-to-cover heat seal is guaranteed against leakage for life.
- **Design:** A computer designed power grid system.
Advantage: Locking active material in place for lower internal resistance and a longer battery life.
- **Design:** Retent-a-tape® positive plate.
Advantage: Bonds fine glass particles to the glass mat. When placed vertically against positive plate surface, it prevents shedding of active material.
- **Design:** A sleeved positive plate separator.
Advantage: Eliminates shorts and potential problems with misalignment.



PowerMAXX™ Total Service Program... Because Less Down-time Means More Profit.

At EnerSys®, service means much more than maintenance and repairs. Our PowerMAXX™ Program allows your EnerSys service representative to determine the most efficient use of all equipment so that batteries and chargers last longer, workers change batteries less often, and you maximize vehicle productivity without compromising safety.

Over 350 trained service personnel staff a network of service locations and mobile vans in North America. Thoroughly schooled in every aspect of battery and charger technology, our service personnel receive ongoing training and updates on changes in technology and new products. It's the largest, strongest company-backed service and support team in the business.

Our National Service and Parts Center in Richmond, Kentucky, stocks over 300,000 parts, including battery cells, charger parts and battery room safety equipment. We can ship parts within 24 hours to respond quickly and efficiently to special needs.



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We respect the environment.
We comply with federal and state regulations regarding the handling of spent lead-acid batteries. We also accept the return of any lead-acid battery for recycling regardless of the manufacturer.