

PulseTalk

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PRODUCT SPOTLIGHT

PowerPulse 12 Battery Maintenance System®

For Frequently-Charged 12-Volt Vehicles and Equipment! The 12-Volt PowerPulse uses our *ReNew-IT Pulse Technology*® to reduce battery downtime and increase battery life up to three times longer.

This unique, patented unit is a *performance* system that



works automatically 24-hours a day. It prevents and removes sulfation buildup on battery plates which enables the batteries to accept, store and release a maximum charge.

This PowerPulse system works best with single 12-volt batteries, but it can also be used on two or three 12-volt batteries connected in parallel. It's ideal for cars, commercial trucks, emergency vehicles and much more.

Five-year limited warranty.



TESTIMONIAL

"We have a large forklift in our fleet that doesn't get used very often. Needless to say, every time we went to use it the batteries would be dead. This went on for a year or two, jump-starting it, checking the charging system, etc....We installed (Solargizer) and have not had a single problem with it since. It has started every time."

Jim Porter
Fleet Maintenance Manager
Petaluma Poultry Processors
Petaluma, Calif.

SUCCESS STORY

36-Volt PowerPulse Increases Golf Cart Voltage & Run Time

Since 1970, Olympic Hills Golf Club in Eden Prairie, Minn. has been recognized as one of the more imaginative and challenging venues of golf in Minnesota. But, like other golf resorts and clubs, they also had a problem with weak golf cart batteries. That's why they started using the PowerPulse Battery Maintenance System from PulseTech.

PROBLEM: For years, Jeff Lyons, maintenance director for Olympic Hills, has been responsible for the care and upkeep of the several golf carts used at the club. But, the major problem he always faced was weak or dead batteries. Each cart uses six 6-volt batteries connected in series to equal 36 volts. On average, the carts would only run a little more than one round of golf before the batteries died. That meant the cart would have to be taken out of service until the batteries were recharged again. The club has several members using their golf course, especially during the summer, so Jeff needed his carts running all the time.

SOLUTION: In 1999, a representative for C&J Technology in Bloomington, Minn, an authorized PulseTech distributor, installed a 36-Volt PowerPulse unit (735X036) on each of the golf carts. He also mounted one on the customized cart owned by Donald McGlynn (see photos at right), the founder of both Olympic Hills and McGlynn Bakeries. At that time, all of the cart batteries were five years old.

RESULTS: Since installing the PowerPulse units almost five years ago, Olympic Hills hasn't had a problem with any of the golf cart batteries. Jeff also took battery readings on the carts periodically, and both the



The 36-Volt PowerPulse Maintenance System by PulseTech (bottom) increased the battery voltage on the nine golf carts at the Olympic Hills Golf Club. This includes the customized cart owned by the founder of the club (top).

voltage and CCA (Cold Cranking Amps) have increased. The voltage and CCA even also increased on Donald McGlynn's cart even though it's been sitting idle in storage for the past two years. The overall voltage increased on the carts from an average of 6.20 volts to 6.36 volts. This is really amazing when you consider that all these batteries are almost ten years old.

More voltage means the batteries are storing more energy which means the carts can run longer between recharges. By cleaning the battery plates, the PowerPulse units also help the batteries charge faster when they are recharged.

LEARN MORE: To see how PulseTech can help increase battery performance see your local PulseTech dealer. For a dealer near you call **1-800-580-7554**, or go to **www.pulsetech.net**. 

SAMPLE INSTALLS



Installing PulseTech products is easy and well worth the time. Shown above are examples of actual customer installations:

- A. 24-Volt Solargizers (735X150) installed on a fleet of de-icers used by a major airline.
- B. A city bus using a 24-Volt PowerPulse (735X024) to ensure battery performance.
- C. The solar panel of a 5-Watt Solargizer Solar Charger (735X605) mounted on top of a concrete truck.
- D. Dead, sulfated batteries being recovered by the RediPulse 6-12 Charge/Maintenance System (735X260).

TECHTALK FAQ

Presenting a series of frequently-asked questions regarding the benefits of PulseTech products and how they can help your customers:

What is the difference between the RediPulse®, PowerPulse® and Solargizer® battery performance systems?

The main difference between these systems is the power source each uses. RediPulse is powered by a specially-designed 110-volt ac adapter (220 volt is also available). It is designed for vehicles kept indoors or in areas without access to sunlight.

Solargizer uses a solar panel to convert sunlight into electrical power. It's designed for vehicles used or stored outdoors. The Receptacle version of the Solargizer system has a solar panel and a 110-volt ac adapter (220 volt is also available). It can be used outdoors and indoors.

PowerPulse is actually powered by the battery itself. There's nothing to plug in. You just attach it to the battery and it works automatically twenty-four hours a day. It's ideal for vehicles and equipment that are used frequently or charged on a regular basis.

Can these products overcome a battery's internal resistance?

The internal resistance within a battery is a

function of the electro-chemical reaction that is taking place. You would not want to interfere with this as it is part of the energy transfer process. However, you would want to offset the negative impact of this process which is exactly what ReNew-IT Pulse Technology accomplishes.

By using RediPulse, PowerPulse and Solargizer to desulfate a battery on a daily basis, the battery will perform better, be more dependable and have more available energy for your use. It will also last up to three times longer.

Will they hold up on day-to-day usage?

Absolutely! One of the reasons PulseTech first took this revolutionary technology to the commercial and military markets many years ago was to verify the durability of the product.

Because of our patented design and proprietary manufacturing process, our products are as durable, if not more so, than the piece of equipment you are mounting them on.

This exceptional durability is also why we gave RediPulse, PowerPulse and Solargizer limited product warranties that last for years. 

Scientifically-Proven Technology

Independent studies by researchers at Oakland University and Ohio State University recently confirmed that ReNew-It Pulse Technology increases battery efficiency and battery life dramatically. These two-year studies showed that our technology allowed a more even distribution of lead-sulfate crystals over the surface area of the battery plates. It also revealed a significant reduction in the size of crystals. These changes greatly improve a battery's ability to store and provide energy.

Our technology also prevents sulfate-induced corrosion that is the primary cause of shedding of active material on the plates. As a result, the life span of the battery is increased dramatically.



(Left) A battery plate covered in heavy sulfation buildup which reduces the battery's ability to accept and release energy. (Right) ReNew-It Pulse Technology™ cleans these lead-sulfate deposits off the plates and converts them to active electrolyte. This process exposes the active material on the battery plates which means your batteries are stronger and you get up to three times longer life and maximum performance.



For More Information: To learn more about PulseTech battery-related products and how they can help increase your sales, or to order products, just call 1-800-580-7554, ext. 154. You can also go to www.pulsetech.net or e-mail us at ppcmarketing@pulsetech.net.

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