

# PulseTalk

Published Monthly by PulseTech Products Corporation, The World Leader In Battery Performance Technology • May2004

## PRODUCT SPOTLIGHT

### RediPulse® 6-12 Charge/Maintenance System

**For vehicles and equipment stored indoors.** The RediPulse 6-12 (735X260) is an ac-powered system designed to prevent the normal loss of battery power on stored vehicles and equipment no matter how long they sit unused — even months at a time. It includes a specially-designed 110-volt ac adapter that works 24-hours a day when plugged into an electrical outlet.



This system is ideal for 6- and 12-volt battery systems on motorcycles, collector cars, boats, snowmobiles, all terrain vehicles, farm equipment, emergency vehicles, recreational vehicles, and much more.

The RediPulse 6-12 includes both lugs and clips with quick disconnects for easy installation. Five-year limited warranty.



## TESTIMONIAL

"I spent about two months in the Far East. When I came back to my car the battery was completely dead. Using the Pulse Charger®/World Version I was able to bring the battery back to about 13 volts and 800 CCA...I am very impressed with this product and there is no doubt this system works."

David Lim  
Singer Island, Florida

## SUCCESS STORY

### PowerPulse & Solargizer Prevent Battery Problems on Charter Yacht

Captain Andrew McKee operates the 81-foot motor yacht, Pyewacket, out of the Derekor Gunnel Ship Yard in Dania, Florida. The Pyewacket is a working yacht that travels to Maine every summer and the Caribbean the rest of the year. The last thing Capt. McKee's guests need are power problems due to dead batteries. Fortunately, since he started using the Solargizer® and PowerPulse® systems from PulseTech years ago, he has never had battery problems.

**PROBLEM:** In 1998, the engine room lead-acid batteries on the yacht were four-years old and needed to be replaced due to heavy sulfation buildup.

**SOLUTION:** Instead of replacing the batteries, Capt. McKee decided to install the 24-Volt PowerPulse system (735X024) on the batteries to see what it could do

**RESULTS:** He soon noticed the batteries were losing the sulfation buildup on the plates. Eventually the plates were totally clean. Then, in the fall of 1999, the Capt. McKee made an amazing discovery. He noticed the casings on the batteries were beginning to crack due to old age. But, he also noticed, to his surprise, that the plates were still clean and doing their job.

He had a battery service man at the ship yard bring new batteries. The service man checked the old batteries and was shocked

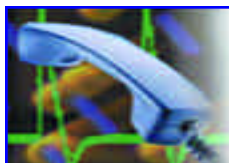


Andrew McKee, captain of the Pyewacket (top), installed PowerPulse on the yacht batteries, and an Industrial 12-Volt Solargizer on his personal watercraft and outboard dinghy (bottom).

to learn that the voltage was perfect. He had never seen a cracked battery casing with perfect plates before. New batteries were installed and Capt. McKee mounted the PowerPulse units on them as well.

He also installed an Industrial 12-Volt Solargizer (735X130) on both a personal watercraft and a 19-foot outboard dinghy used by his guests. Now they both start every time they are needed, even though the personal watercraft sits unused for months. Before Solargizer, the PWC always had to be jump started.

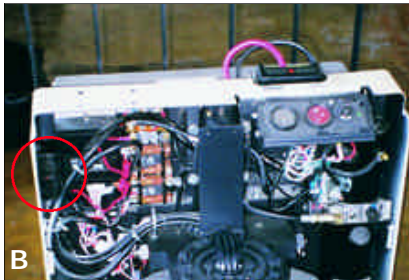
**LEARN MORE:** To see how PulseTech can help increase battery performance see your local PulseTech dealer. For a dealer near you call 1-800-580-7554, or go to [www.pulsetech.net](http://www.pulsetech.net).



## Customer Information Line

For a quick recorded presentation on how our products can help your customers, have them call our Hotline at 212-990-6408 (long distance charges may apply).

## SAMPLE INSTALLS



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

- A. An Industrial 12-Volt Solargizer (735X130) on a grader that sits unused for weeks at a time.
- B. A 24-Volt PowerPulse (735X024) on a pallet jack used by a major beverage company.
- C. The solar panel of a 24-Volt Solargizer (735X150) mounted on a large generator.
- D. A sailboat using a 5-Watt Solargizer Solar Charger (735X605) to charge the batteries while it sits unused.

## TECHTALK FAQ

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

### Are the RediPulse®, PowerPulse® and Solargizer® systems chargers?

Besides preventing lead-sulfate buildup on battery plates, the RediPulse and Solargizer models also produce a trickle charge as well. They provide enough power to offset the normal daily discharge of a battery (usually 3.1mA to 10.1mA depending on the battery chemistry), plus a nominal amount of parasitic drain. This was recently verified independently by one of the major U.S. auto manufacturers.

Keep in mind, though, that while they do supply a pulsing trickle charge to the battery, the charge rate is not sufficient to charge a completely dead battery in a short period of time. PowerPulse is a battery *maintenance* system designed to prevent sulfation buildup only. It will not charge.

Also, use of these ReNew-IT Pulse Technology products will enable chargers to do their work more efficiently. Since they help keep the battery plates free of sulfate deposits, it takes less time to charge the battery and battery capacity is increased. It also has greater discharge capabilities so it will last longer between charges.

### Is it true that charging batteries in reverse polarity will desulfate the

### plates?

Absolutely not. reversing the polarity will actually damage your battery and could even lead to an explosion. Polarity in a battery should NEVER be reversed for any reason.

For safe, effective prevention and removal of sulfation buildup on battery plates, use only our ReNew-IT Pulse Technology products. They improve battery performance and will not harm the battery in any way.

### Do the RediPulse, PowerPulse and Solargizer models have to stay on the same battery permanently or can you move them from battery to battery?

These units can be moved from battery to battery if the customer chooses to do so, but we strongly suggest you use them on the same battery or batteries all the time. Remember that sulfation buildup occurs 24-hours a day from the first moment acid is loaded into the battery. Although you can use ReNew-IT Pulse Technology as a part-time fix, a continuous installation will give a much more effective result because not only do they eliminate the existing buildup, they also prevent the lead sulfates from building up again. 🛠️

## 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](http://www.pulsetech.net) or e-mail us at [pccmarketing@pulsetech.net](mailto:pccmarketing@pulsetech.net).