

## INDUSTRY SPOTLIGHT

### Stored Vehicles & Equipment

**Prevent the normal loss of battery power on stored vehicles and equipment—no matter how long they sit unused.**

Lead-sulfate buildup on battery plates is a potential concern for all vehicles and equipment, but it is especially a problem for those that are used infrequently or stored for an extended period of time.



Under normal conditions a battery will lose about 1% of its energy a day while the vehicle sits unused. That means it won't take long for a battery to become completely discharged, especially if it wasn't fully charged in the first place. The RediPulse and Solargizer systems from PulseTech will actually help prevent that from happening. They offset the normal energy loss and the level of power in the battery will remain the same even if the vehicle sits idle for months.

At the same time, our ReNew-IT Pulse Technology® will help keep the battery plates clean of lead-sulfate buildup.



## TESTIMONIAL

*"Solargizer is making a huge difference in our batteries...I was replacing the battery on (my police cycle) about every seven months. But, after installing Solargizer, I rode for three years with the same battery."*

Sgt. James Lamien  
Arlington, Texas Police Department

## SUCCESS STORY

# RediPulse Keeps Boat Powered For Radio Host

J.D. Ryan, loves being on the water. Unfortunately, since he is so busy as the co-host of the top-rated Russ Martin Show on Live 105.3 FM in Dallas, Texas, he can't spend as much time boating as he'd like. That means his boat has to be stored most of the year. The problem with long-term storage is that it's murder on the batteries.

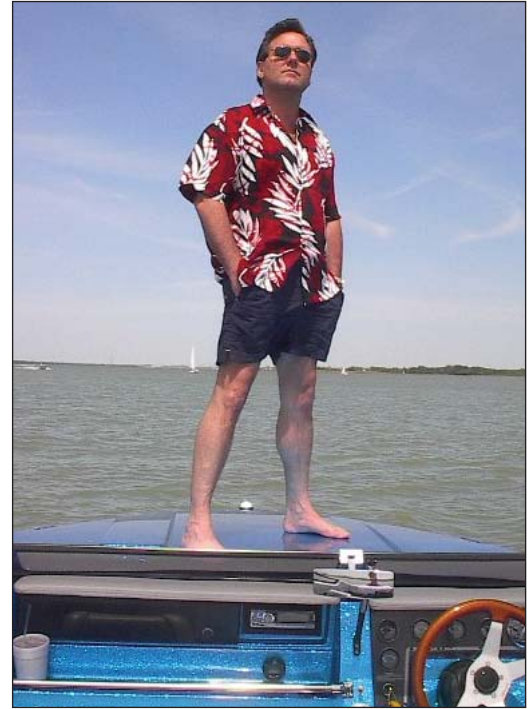
Or at least it used to be. But not anymore. Not since J.D. started using the RediPulse 6-12 Charge/Maintenance System from PulseTech.

**PROBLEM:** J.D.'s boat would sit in storage at the marina for weeks and even months at a time. His boat is powered by two 12-volt lead-acid batteries connected in parallel. Like a majority of boats stored for extended periods, these batteries would suffer from lead-sulfate deposits on the plates. These deposits will create an insulation layer that ultimately prevents the batteries from accepting and releasing a full charge. As a result, they have to be jump started or even replaced almost every time J.D. wants to use the boat.

**SOLUTION:** Two 12-volt RediPulse units were connected to the batteries and plugged into an electrical outlet. The RediPulse system prevents sulfate deposits from collecting on the battery plates, and it keeps the batteries at the same level of charge no matter how long they sit unused.

**RESULTS:** Because of an arm injury, J.D. recently couldn't use his boat for five months. He fully expected to have to jump start the batteries, but to his shock the boat started within 20 seconds — something that had never happened before.

"Unbelievable!" stated J.D. "Even the marina manager couldn't believe it. I am so sold on PulseTech."

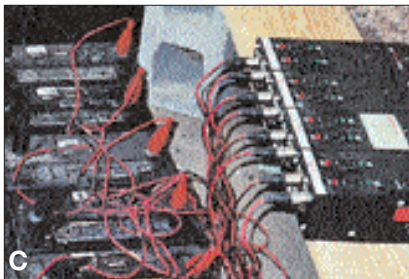
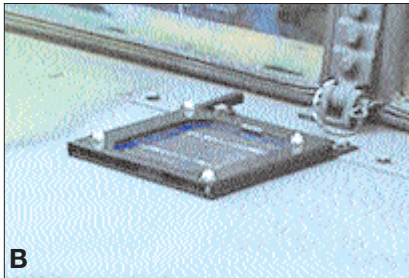
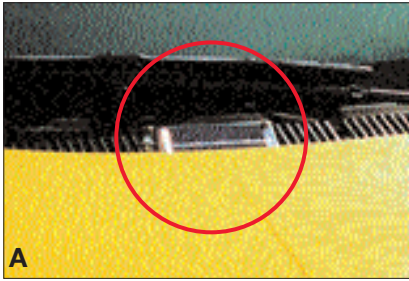


(Top, middle) J.D. Ryan, co-host of the Russ Martin Show in Dallas, Texas, standing on his boat. (Bottom) One of two RediPulse 6-12 Charge/Maintenance Systems connected to the boat batteries. By keeping the batteries sulfate free, the boat started after sitting unused for five months.

**LEARN MORE:** See your local PulseTech dealer to see how our products can help increase your battery reliability and performance. For a dealer near you, call us at **1-800-580-7554**. Or visit us today at **www.pulsetech.net**.

For more on J.D. and the Russ Martin Show, go to **www.johndavidryan.com** and **www.russmartin.com**.

## SAMPLE INSTALLS



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

- A. The solar panel of an Industrial 12-Volt Solargizer (735X130) on a taxi cab.
- B. A 24-Volt Solargizer (735X150) solar panel mounted on the hood of a U.S. Army Humvee at Fort Hood, Texas.
- C. The Pulse Recovery System (740X650) recovering batteries at an automotive service company in Houston, Texas.
- D. Testing a car battery with a 475 Digital Battery Conductance Analyzer (741X475).

## TECHTALK FAQ

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

### Does PulseTech offer freestanding chargers?

Yes. We offer two different types of free-standing chargers: The Pulse Charger®/World Version and the DFC-12 Diagnostic Fast Charger.


The Pulse Charger is actually four chargers in one. It's a state-of-the-art charging system (up to 20 amps) that works with both 12-volt conventional flooded lead-acid batteries and sealed "maintenance-free" batteries, including VRLA, AGM and gel cell. It also works off either 110- or 220-volt ac power so it can be used virtually anywhere in the world. At the same time, the Pulse Charger uses our patented *ReNew-IT Pulse Technology* to remove sulfation buildup. Use the Pulse Charger to return unreliable 12-volt lead-acid batteries to active service.

The DFC-12 Diagnostic Fast Charger is a portable charger that can solve your battery problems in *less than an hour!* It not only charges the battery, it also uses Conductance Technology to test its condition. You can also use it to jump start a vehicle with a dead battery. It's ideal for all service facilities.

### What is the difference between the Pulse Charger, DFC-12, RediPulse Pro-10® and the Pulse Recovery System®?

The main difference is that the Pulse Charger and DFC-12 are both designed to be used on single lead-acid batteries, while the RediPulse Pro-10 and Pulse Recovery System are for use on multiple batteries.

The RediPulse Pro-10® Maintenance System keeps up to ten (10) new 12-volt batteries "factory-fresh" while they rest on the shelf waiting to be installed or sold. It prevents sulfate deposits from forming on the battery plates and safely provides a continuous charge/ maintenance on each battery.

With the Pulse Recovery System®, you can pulse up to twenty 12-volt batteries at the same time. This modular system is available in individual units — a Power Base and an Add-On unit — that condition two batteries each. They can also be connected to meet your specific battery maintenance needs (up to ten units total). The PRS is *not* a charger, but it can be used in conjunction with a charging system so batteries can be recharged while they are desulfated. 

## 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, store 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 batteries are stronger so you get up to three times longer life and maximum performance.



Visit this local PulseTech dealer today: