

PulseTalk

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INDUSTRY SPOTLIGHT

Construction Equipment

The construction industry is an ideal market for PulseTech products. Heavy equipment such as excavators, motor graders, power shovels, asphalt pavers and others are essential on the job site and batteries are required, but battery problems are very common.



The equipment will be used constantly or sit for extended periods. When it sits, lead-sulfation occurs even faster than when it is used all the time. To prevent these time-consuming and potentially expensive problems, many construction companies use our ReNew-IT Pulse Technology® like the Industrial 12-Volt Solargizer (735X130) and 24-Volt Solargizer (735X200).



TESTIMONIAL

"As a happy user for almost six years, I think PowerPulse units are essential...After installing my units, I noticed improved performance almost immediately. Their claim of increased battery life in my opinion is substantial...these units, with proper care and maintenance, makes batteries far less of a weak link in an alternative energy system."

David Bawden
Freelance Writer
Delia, Kansas

SUCCESS STORY

Pro Anglers Can Fish Longer with PulseTech

To professional anglers, spending as much time as possible on the water is a major priority. After all, the longer they can fish—the more fish they can catch. Unfortunately, time spent on the water is usually determined by the amount of power in their batteries. That's why more and more anglers are now using the Solargizer and RediPulse systems from PulseTech to help make sure their batteries provide the power they need.

Tom O'Bryant of Hollywood, Md., is a professional bass fisherman who spends about 200 to 250 days a year on the water. There is an Industrial 12-volt Solargizer on Tom's bass boat batteries because he understands that peak battery performance is a key to winning.

Tom was the Military Association Navy Angler of the Year for 1998, and he beat 35,000 other national competitors to become runner-up for Military Angler of the Year in both 1996 and 1998. He has also had three Top 10 finishes on the Redman Tournament Trail and 13 Top 10 finishes for Anglers Choice. Now that he has retired, Tom will fish nationally on the central and eastern divisions of the Bass Anglers Sportsman Society Trail.

"My boat has three 12-volt batteries. It's very important that they are all in prime condition all the time," says Tom, "and not just for my tournaments, but for my fishing guide business, too."

When not competing, Tom hires out as a fishing guide on the Potomac River. He uses the same boat for those fishing excursions as he does for tournaments.

"Battery reliability really becomes important when I have customers relying on me," he stresses. "The last thing I



(Left) Tom O'Bryant uses the Industrial 12-Volt Solargizer on his bass boat (top right) to prevent dead batteries. For boats stored indoors many anglers use the RediPulse 6-12 system (bottom right)

want is to have them look forward to a great day of fishing, and then the boat won't start. The Solargizer will help prevent that from happening."

During the few times Tom does store his boat, it is kept indoors. For indoor storage many anglers use the RediPulse 6-12 Charge/Maintenance System. The ac-powered RediPulse prevents the normal loss of battery power while the battery sits unused in areas without sunlight. This means your boat will start no matter how long it sits unused.

"Tackle Terry" Tuma of Minneapolis, Minn., agrees that a strong battery is vital to a professional angler. Besides having 45 years of fishing and tournament experience, Terry also writes for outdoor and fishing publications. He is also involved with radio and television programs, and he conducts about 100 seminars a year on fishing techniques.

"Fishing is a full-time job for me," he says. "Since installing a PulseTech battery maintenance system on each of my boat batteries, they hold a charge much longer. This is very important to me since my boat is essentially my office."

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

SAMPLE INSTALLS



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

- A. Two 24-Volt Solargizers (735X150) installed on a police S.W.A.T. vehicle.
- B. Pulse Chargers (746X725) recovering 12-volt batteries in a large maintenance facility.
- C. A 24-Volt Solargizer (735X150) solar panel mounted on a large commercial combine.
- D. The BattShop™ (730X901), a mobile battery maintenance facility with PulseTech products, being positioned on a military base.

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.

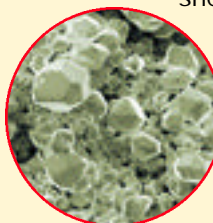
Because of our patented design and proprietary manufacturing process, our products are as durable, if not more so, than the piece of equipment you are mounting them on.

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, 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.



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dealer today:

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