

PULSE TALK



PulseTech's monthly newsletter to provide distributors and resellers with the latest tips, tricks and product information.

The Importance of Pulse Technology

Not all chargers are the same

– in addition to charging, sulfates must be removed

When asked what makes our chargers different from the rest of the chargers on the market you should explain our patented PULSE TECHNOLOGY.

All of our chargers have one circuit for charging PLUS a second separate circuit for our Pulse Technology to attack the sulfate crystals.

Our charging and Pulse Technology combination is totally unique and provides a powerful 1-2 punch.



Our chargers deliver a powerful 1-2 punch!

This is provided by the independent application of our patented high frequency condition pulse, Pulse Technology, on one circuit and propriety charging algorithms on the other. These charging algorithms use microprocessor controlled technology to



All of our chargers, solar panels and maintainers utilize our Patented Pulse Technology

automatically determine the precise charge rate so our products know when to safely start and stop the charging process. PulseTech's chargers are also voltage and amperage regulated which allows for a more accurate and fuller charge.

Our chargers with Pulse Technology allow the battery to hold more energy, recharge faster and last up to 3 times longer. That means a real cost savings!

Quick Tip: If your customers notice their battery's loss of power over time, they have a build-up of sulfate crystals and should use our Pulse Technology to remove these crystals allowing more room for energy storage.

Contact us with any questions, comments or success stories!



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Success Story:

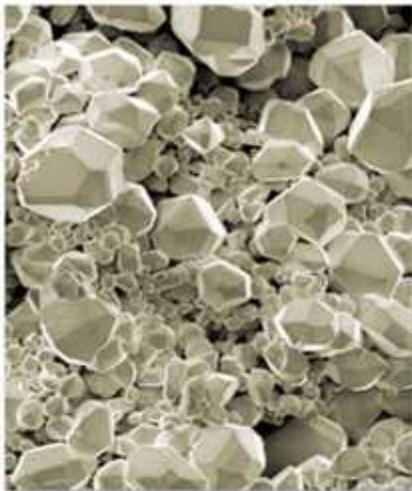
The 325th BSB, 31BCT, 25th ID Army Battalion out of Scofield Barracks, HI implemented PulseTech's Battery Management Program. They have already recovered and reissued 362 out of 410 batteries and are seeing an 89% recovery rate, and a total savings so far of \$136K!

Have a success story? Send it to zjohnson@pulsetech.net and you will WIN an Xtreme Charge 12V Battery Charger if we use it in our next PulseTalk newsletter.

What is Sulfation?

Sulfation is the main cause of battery problems on all types of lead acid batteries including flooded, AGM, VRLA, Gel and flooded cell. Eliminating sulfate buildup from lead-acid battery plates improves battery performance and extends battery life.

Sulfation is the accumulation of lead sulfates. Over time, sulfates build up on the battery plates until battery efficiency is reduced, dramatically shortening battery life and the battery finally 'dies'. The battery's still good, the acid just can't get through the sulfate layer to the lead plate behind and that's why 80% of batteries fail.



Sulfation Crystals

Let your customers know that with battery chargers they get what they pay for and not to be fooled by cheap imitations.

What is Pulse Technology?

Pulse Technology is a patented, high-frequency pulse waveform of specific amplitude and frequency that is precisely controlled by microprocessors. It rises rapidly in less than one microsecond to its maximum amplitude and gradually returns to zero. There is no abrupt stop and no battery drain. This waveform occurs 25,000 times a second and has been proven to remove sulfation from the battery plates and return the lead sulfate back to the electrolyte solution.



PulseTech's patented waveform is simply the most effective method to remove damaging battery sulfation

The photos below show actual battery plates. Note the development of lead-sulfate on the conventionally charged plates in the bottom row while the top row charged with a PulseTech charger have no sulfate accumulation.



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