

Pulse Technology

Battery sulfation is a wasting disease that kills 80% of batteries worldwide. These sulfate crystals negatively impact battery performance by:

- **Reducing the battery's ability to discharge power**
- **Reducing the battery's ability to recharge**
- **Shortening battery life**

There is enough reactive material in the battery to keep it working for many years. However, over time sulfates build up until battery efficiency is reduced, preventing the battery from accepting and releasing energy, dramatically shortening the battery life until it dies prematurely.

PulseTech's patented Pulse Technology is the ultimate solution for solving the sulfation problem, it:

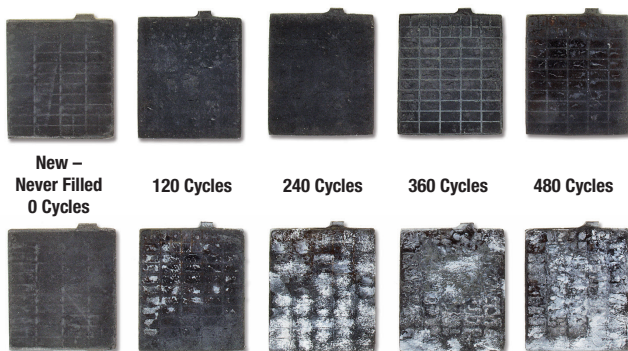
- **Safely removes sulfate crystal buildup on battery plates**
- **Allows more room for the energy exchange to continue**
- **Prevents new sulfate crystals from forming**
- **Extends battery life by up to three times**

Visual Proof of Pulse Technology Results

The photos below are from an independent study comparing Pulse Technology to conventional battery charging. The photos show actual battery plates after various charge and discharge cycles, which reveal the benefits of charging with Pulse Technology versus charging with a conventional charger. The top row shows plates from actual batteries charged using PulseTech's patented Pulse Technology. The bottom row shows plates from batteries charged with a competitor's conventional charger. Note the development of lead-sulfate on the conventionally charged plates in the bottom row.

Even after hundreds of cycles, the batteries charged using Pulse Technology have no sulfate accumulation, ensuring the batteries will still perform at maximum peak capacity.

12-Volt Lead-Acid Batteries Charged with PulseTech Charger



12-Volt Lead-Acid Batteries Charged with Typical Charger

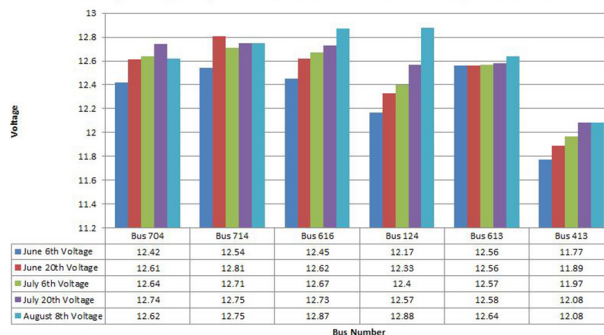


Effectiveness of PulseTech's SolarPulse Solar Charger Maintainer

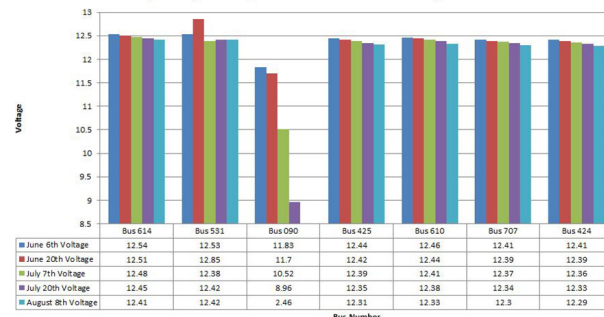
Batteries were tested on multiple school buses with SolarPulses installed and multiple buses with no SolarPulses installed. In as little as two weeks, dramatic battery voltage and CCA (cold cranking amps) improvement was seen in buses with SolarPulses installed in contrast to the other buses, which showed a decrease in voltage and CCA across the board.



Battery Voltage Improvement With SolarPulse Charger Attached



Battery Voltage Change Without SolarPulse Charger Attached



- Use on ALL 12V batteries (VRLA, AGM, gel & flooded cell)
- Dramatically reduce jumpstarts
- Extend battery life
- Reduce battery budgets
- Indestructible commercial design
- Environmentally friendly



www.pulsetech.net
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Battery Maintenance Management Program

PulseTech's Battery Maintenance Management Program (BMMP) helps companies achieve immediate cost savings and supports corporate-wide sustainability goals.

- **Extend battery life by up to three times**
- **Extend alternator and starter life**
- **Dramatically reduce jumpstarts**
- **Recover 70% of spent batteries**
- **Reduce the number of new batteries purchased**
- **Reduce vehicle downtime**
- **Increase battery efficiency and power**



BMP-1



BMP-2



BMP-3



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Battery Maintenance Management Program Kits including Testers and Recovery Chargers

Which BMP Kit is Right for You?

Kit	Batteries Discarded Each Month	Recovery Charger	Battery Maintainer	Battery Tester
BMP-1	50+	SC-12	PRO-12-RP	777P-PT
BMP-2	25-50	SC-6	PRO-12-RP	390PT
BMP-3	1-25	SC-2	PRO-12-RP	390PT

The Battery Maintenance Management Program Kits allow the operator to set up a battery testing, recovery and recharge operation in their shop which adheres to the diagnostic, preventative and corrective maintenance portion of the Battery Management Program (BMP). This is important as it allows an organization to extend the life of their batteries while reducing overall costs, jump-starts and vehicle downtime.

The choice of kit largely depends on the size of your operation.

Each kit can stand alone or be used to augment or update existing equipment in your battery shop.

BMP-1 Kit

Includes the SC-12 12-Station 12V Battery Recovery Charger, Pro-12-RP 12-Station Battery Maintenance System and 777P-PT 6V/12V Digital Battery Analyzer with Printer.

Part No: **746X201**
Model: **BMP-1**

BMP-2 Kit

Includes the SC-6 Six-Station 12V Battery Recovery Charger, Pro-12-RP 12-Station Battery Maintenance System and 390PT 6V and 12V Battery Tester.

Part No: **746X202** Model: **BMP-2**

BMP-3 Kit

Includes the SC-2 Two-Station 12V Battery Recovery Charger, Pro-12-RP 12-Station Battery Maintenance System and 390PT 6V and 12V Battery Tester.

Part No: **746X203** Model: **BMP-3**



SC-12, 12-Station 12V Battery Recovery Charger

This 12-station, 6-amp-per-channel, unit recovers, charges & desulfates any type of 12V battery (VRLA, AGM, gel & flooded cell) anywhere in the world. The 12-stations operate in isolation allowing any combination or type of 12V battery to be recovered safely. Pulse Technology removes sulfates extending battery life. Five LEDs indicate the condition of each battery.

Part No: **746X810** Model: **SC-12**



PRO-12-RP, 12-Station Battery Maintenance System

Keep as many as twelve stored 12V lead-acid batteries fully charged with a continuous cycle of low amperage charge which reverses the normal discharge rate. The PRO-12-RP features optimized high frequency patented pulsing to reduce naturally occurring sulfation buildup keeping batteries 'factory fresh'. LEDs indicate the status of each battery.

Part No: **746X915** Model: **PRO-12-RP**



777P-PT, 6V/12 Digital Analyzer with Printer

The 777P-PT safely & easily tests both 6V & 12V lead-acid batteries (VRLA, AGM, gel & flooded cell) as well as 12V & 24V charging systems fast, safely and simply. The single load, dynamic resistance testing technology ensures vehicle or equipment readiness. The backlit display is easy to read in any light & printed test results allow for easy record keeping.

Part No: **741X777** Model: **777P-PT**



SC-6, Six-Station 12V Battery Recovery Charger

This six-station, 6-amp-per-channel, unit recovers, charges & desulfates any type of 12V battery (VRLA, AGM, gel & flooded cell) anywhere in the world. The six stations operate in isolation allowing any combination or type of 12V battery to be recovered safely. Pulse Technology removes sulfates extending battery life. Five LEDs indicate the condition of each battery.

Part No: **746X816** Model: **SC-6**



390PT, 6V and 12V Battery Analyzer

The 390PT allows users to quickly, safely and accurately test 6V & 12V lead-acid batteries (VRLA, AGM, gel & flooded cell) in or out of the vehicle as well as 12V & 24V charging systems for proper operation. Easy to understand results in seconds.

Part No: **741X390** Model: **390PT**



SC-2, Two-Station 12V Battery Recovery Charger

This two-station, 6-amp-per-channel, unit recovers, charges & desulfates any type of 12V battery (VRLA, AGM, gel & flooded cell) anywhere in the world. The two stations operate in isolation allowing any combination or type of 12V battery to be recovered safely. Pulse Technology removes sulfates extending battery life. Five LEDs indicate the condition of each battery.

Part No: **746X814** Model: **SC-2**



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