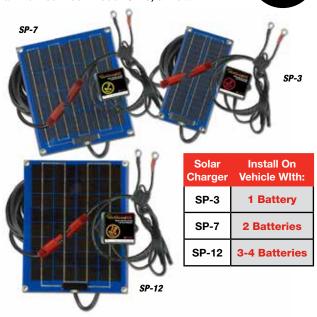
#### **Use the Power of the Sun to Extend the Life and Power of Your Batteries**

Our SolarPulse solar chargers prevent the normal loss of battery power on vehicles and equipment stored outside and apply our sulfate killing patented Pulse Technology ensuring your batteries remain in peak condition extending battery life up to three times.

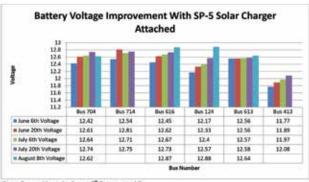
These solar panels are compact, easy to install and are virtually indestructible.

Part No: 735X468 Model: SP-12, 12-Watt Part No: 735X467 Model: SP-7, 7-Watt Part No: 735X453 Model: SP-3. 3-Watt



#### **Proven to Increase Voltage and CCAs**

Batteries were tested on multiple buses with and without SolarPulse installed. In as little as two weeks, dramatic battery voltage and CCA (cold cranking amps) improvement was seen in buses with SP-5s installed in contrast to the other buses, which showed a decrease in voltage and CCA across the board.





#### **Pulse Technology is the Secret to our Success**

- Safely remove and prevents sulfate crystal buildup on battery plates
- Allow more room for the energy exchange to
- Extend battery life by up to three times

## **Visual Proof Pulse Technology Works**

The photos below are from an independent study comparing Pulse Technology to conventional battery charging. 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



Let your customers relax with PulseTech powering their adventures while they save money and enjoy more reliable. powerful batteries.

- SolarPulse Chargers keep batteries in vehicles stored outside fully charged and ready to go
- PowerPulse keeps batteries stronger ensuring peak battery performance
- Pulse Technology's conditioning pulse attacks and removes sulfates on the battery plates allowing them to hold more energy and recharge faster



• Extend battery life by 3 times!





#### **Testers**

# **390PT Battery Analyzer**

Test 6V and 12V lead-acid batteries in or out of the vehicle as well as 12V and 24V charging systems for proper operation. This analyzer displays both battery voltage and cranking amp capacity in seconds.



Part No: 741X390 Model: 390PT

# XC-822-TEST Battery Tester

The pocket-sized XC-822-TEST 12V Battery Tester instantly shows an indication of your 12-Volt lead-acid battery's state of charge at 100%, 75%, 50% or 25%. It also provides a quick GOOD or BAD



alternator test result. The dual design allows you to insert the test probes directly into the standard quick-disconnect connection without touching the battery posts or to remove the tip probes and touch the battery terminals directly.

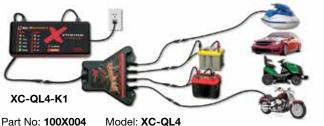
Part No: 100X822 Model: XC-822-TEST

#### **Chargers**



Our Xtreme Chargers automatically evaluate, charge and desulfate any type of

12V battery. Proprietary algorithms combined with microprocessor controlled technology measure the battery's voltage and current to automatically determine and deliver the precise charge rate based on the size and condition of the individual battery, both initially and continuously throughout the five-stage charge process. There's no danger of overheating or overcharging even if left connected for weeks at a time. The XC100-P is for use on single 12V batteries. The XC-PARALLEL is for use on two or more 12V batteries connected in parallel. The QuadLink is a four-channel battery charger multiplier. It's compatible with most 6V and 12V battery chargers turning them into four-station chargers. However, it's most effective when used with the XC100-P as it passes on the charging properties AND the patented Pulse Technology that removes sulfates and extends battery life and power.



Part No: 100X004 Model: XC-QL4

Part No: 100X005 Model: XC-QL4-K1

Part No: 100X010 Model: XC100-P

Part No: 100X013 Model: XC-PARALLEL

**Recovery Chargers** 

### The King Kong of Recovery Chargers

The XCR is a 16-amp shop

recovery charger and is ideal for recovering larger
12V batteries including
those in groups 31, 4-D
and 8-D. It can be used
on standalone batteries in
the shop or even on batteries still
installed in the vehicle. With its higher
output capacity batteries can be recovered quickly and returned to service. LEDs make it easy to understand and the patented Pulse
Technology solves your sulfation issues.

Part No: 100X500 Model: XCR

#### **Maintain Batteries In Your Shop**

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

Even new batteries discharge while waiting to be installed. Keep as many as 12 stored 12-Volt lead-acid batteries fully charged and in 'factory fresh' condition until you're ready to use them. LEDs indicate the status of each battery.

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

#### **Maintain Batteries In Your Vehicles**

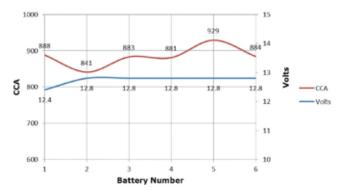


# PowerPulse 12V Battery Maintenance System

Selected as a Top 50 Product by Automotive Engineering magazine, the PowerPulse is designed especially for frequently-charged 12-volt battery systems. It is a performance enhancing device that helps batteries charge faster, last longer and provide maximum performance and power.

Part No: **735X012** Model: **PP-12-L**Part No: **735X024** Model: **PP-24-L**Part No: **735X036** Model: **PP-36-L**Part No: **735X048** Model: **PP-48-L** 

#### CCA & Voltage of 6 Batteries After PowerPulse is Attached for a Year



A full year after the PowerPulse installation, all six batteries showed a higher CCA (Cold Cranking Amp) and voltage reading than when they were brand new. In this study, the Texas Fire Department extended the lifespan of their batteries and saw a 74% savings in battery costs over a five year period.