

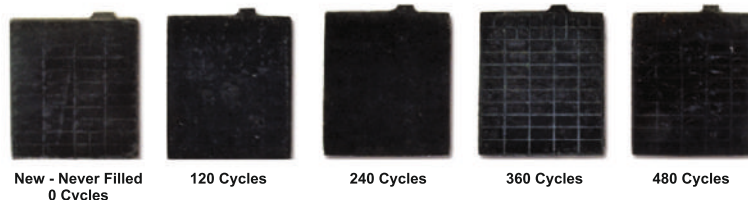


# COMPOSITE SYNERGY SOLUTIONS LLP

B-61, Wazirpur Industrial Area, New Delhi-110052



## 12-Volt Lead-Acid Batteries Charged with BR Charger



## 12-Volt Lead-Acid Batteries Charged with Typical Charger



# Pulse Technology

We're often asked what makes our products better than other trickle or float chargers on the market. It's easy – our patented Pulse Technology! In addition to charging the battery, our patented Pulse Technology removes sulfates from the battery plates and prevents new ones from forming. **No other chargers on the market have this technology.** Our chargers have one circuit for charging PLUS a second separate circuit for our Pulse Technology providing a powerful one-two punch to the battery.

Our chargers are **UNIQUE** in their ability to utilize this patented Pulse Technology. If you notice your battery's loss of power over time you have a build-up of sulfate crystals and should use our Pulse Technology to remove the sulfate crystals allowing more room for energy storage.

**Charging batteries is NOT enough. You must also attack the sulfate crystals or they'll eventually choke and kill your battery.**

Battery sulfation is a wasting disease that claims the life of 80 percent of the batteries in use worldwide. Don't let your battery be one of the 80% that die needlessly. Pulse Technology is the cure.

**Eliminating sulfate buildup from lead-acid battery plates improves battery performance and extends battery life up to 3 times.**

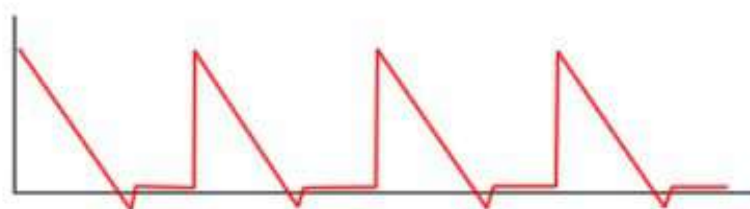
**Sulfates negatively impact battery performance by:**

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



## How Pulse Technology Works

Pulse Technology is delivered to the battery through a circuit which is independent of the charging circuit. This patented, high-frequency pulse waveform is of a 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.



**Pulse Technology Waveform**

Pulse waveform is simply the most effective method to remove damaging battery sulfation and enhance battery performance available today!

## Digital Battery Analyzer

▲ **M-390**



### Product Description

An absolute necessity for your battery shop or maintenance bay, the 390PT uses patented single load, dynamic resistance technology to completely analyze your battery and charging system quickly, safely and accurately.

*Analyzer:*

1. Shows the state of health of battery in percentage.
2. Shows the state of charge in percentage.
3. Shows the Voltage of the battery.

*All these parameters helps in deciding whether the battery can be used or needs treatment.*

**M-390 : Digital Battery Analyzer**

## Battery Maintainer (BM)

▲ **BM-12**



### Product Description

The BM is a performance enhancing device designed to help batteries charge faster and provide maximum performance and power by generating an intermittent high frequency pulse that reduces existing sulfate deposits and keeps them from building up again. The patented Pulse Technology enables batteries to accept, store and release maximum power when needed. BM units work with single batteries, batteries in parallel and batteries in series.

*It increases the life of the battery many folds.*

**BM-12 : Battery Maintainer (BM)**

## Solar Maintainer (SM)

▲ **SM**



### Product Description

It utilizes unrivaled solar charging system combined with a patented optimized high-frequency pulsing circuit to ensure batteries always start and release maximum power when needed no matter how long they've been sitting unused.

*It increases the life of the battery many folds.*

**SM25W24V  
for TATRA/Bus**

**SM25W24V2X  
for Tanks**

**SM12W24V  
for ALS**

## Charge Maintainer (CM)

▲ **CM-12**



### Product Description

CM maintains and desulfates all kinds of 12-Volt battery (flooded cell, sealed, VRLA and AGM). It's ideal for maintaining 12- Volt lead-acid batteries in vehicles and equipment stored indoors on a long-term basis. The CM reverses the normal discharge rate that occurs in unused batteries and removes lead sulfate crystals that build up on battery plates over time. Colored lights indicate AC charge status and battery conditioning.

This unit is completely safe, with no danger of overheating or overcharging the battery regardless of how long it's connected, even months at a time.

*It increases the life of the battery many folds.*

**CM-12: Charge Maintainer (CM)**

## Battery Recovery Charger (BR)

▲ **BR**



### Product Description

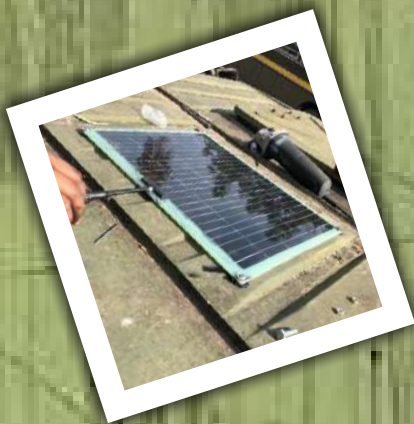
The BR profiles each battery and automatically cycles through a charge/recovery process that applies the correct charge (up to 6 Amps) and an optimized high frequency pulse to each battery. This patented Pulse Technology removes sulfate deposits on battery plates increasing the battery's ability to accept, store and release energy and extends battery life up to three times.

*It replaces regular traditional charger and is available in 2, 6 and 12 ports to connect to 2, 6 and 12 batteries individually.*

**BR-2 : Battery Recovery Charger**

**BR-6 : Battery Recovery Charger**

**BR-12 : Battery Recovery Charger**



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