

Recover Lead-Acid Batteries Thought To Be Dead & Useless



Finally, there is a way to recover dead lead-acid batteries that up until now were thought to be beyond saving. Presenting the award-winning **Pulse Charger/World Version PLUS** from PulseTech® — *The World Leader In Battery Performance Technology.*

If you work in a shop or facility that services any kind of vehicles and equipment, you need the Pulse Charger. It's the most effective charging system available.

In fact, it's actually



four chargers in one!
This revolutionary device is a state-of-the-art charging system (up to 20 amps) that works with both 12-volt

conventional flooded lead-acid batteries and sealed "maintenance-free" batteries, including gel cell. It also works off either 110- or 220-volt ac power so it can be used virtually anywhere in the world.

The Pulse Charger also uses our patented *ReNew-IT Pulse Technology*® to eliminate the main cause of battery failure: *sulfation buildup*.

In the past, even the most sophisticated chargers had little or no success charging sulfated batteries. But now the Pulse Charger solves this age-old problem. It actually reenergizes and removes energy dampening lead sulfates from the battery plates while it charges your battery.

By "cleaning" the plates, the Pulse Charger helps recover dead batteries by enabling them to accept a charge once again.

To learn more, just see your local PulseTech dealer. For the dealer nearest you, call 1-800-580-7554.

Or see us on the Internet today at www.pulsetech.net.

PULSE CHARGER®
WORLD VERSION PLUS

Now You Can Charge Your Battery & Increase Performance At The Same Time

Four Chargers In One!

Finally, there is a way you can recover dead 12-volt lead-acid batteries that up until now were thought to be beyond saving. Presenting the award-winning **Pulse Charger®/World Version PLUS** from PulseTech — *The World Leader In Battery Performance Technology.*

This revolutionary charger is a necessity for any facility that services battery problems. It actually combines four chargers in one. It is a state-of-the-art charging system (up to 20 amps) that works with both 12-volt conventional flooded lead-acid batteries and sealed "maintenance-free" batteries, including gel cell. Plus, it also works off either 110- or 220-volt ac power so it can be used virtually anywhere in the world.

The Pulse Charger also has the ability to recover dead batteries through the use of our patented **ReNew-IT Pulse Technology®**, the only method known for eliminating the main cause of lead-acid battery failure: *sulfation buildup and related problems.* Sulfation buildup occurs as lead sulfates form on the battery plates during the normal charge/discharge cycles. During this process, some of the sulfates enlarge to the point where they can no longer accept energy so they stay on the plate. Over time these sulfates can build up until battery efficiency is reduced and the battery dies.

In the past, even the most sophisticated chargers have had little or no success charging batteries with sulfation buildup. But now the Pulse Charger solves this age-old problem.

Using ReNew-IT Pulse Technology, it emits a pulsating dc current into the battery that removes the sulfate deposits from the plates through the use of a unique *Ion Transfer* process. The sulfates then return to the battery acid as active electrolyte. By "cleaning" the battery plates, the Pulse Charger enables dead batteries to once again accept a charge*.

When used on a regular basis, it also helps your batteries work harder and last longer than ever before which will reduce battery-related downtime, maintenance and costs.

The Pulse Charger is voltage regulated and microprocessor



controlled. This unique system will provide all the charge a battery will accept regardless of the rated amp-hour capacity or rated cold cranking amps. It will charge each 12-volt battery to its optimum level by constantly monitoring the battery and adjusting the charging current accordingly. Then, it automatically shuts off when the battery reaches full charge so it will never harm the battery.

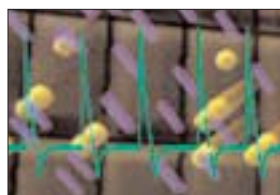
The Pulse Charger has two settings: *Pulse & Charge* and *Pulse Only*. Since all batteries (even new ones) have some level of sulfation buildup, the *Pulse Only* setting will clean the plates. The *Pulse & Charge* setting will then charge the battery while continuing to clean the plates. It also includes a switch in back for sealed gel cell lead-acid batteries. On this setting, non-vented batteries can be safely charged.

Order the Pulse Charger/World Version PLUS — the most effective battery charger available and winner of the Innovation Award for Service Shop Equipment at IMTEC (the *National Marine Trade Exhibition & Conference*).

To order, see your PulseTech dealer. For the name of the dealer near you call 1-800-580-7554.

Specifications

- Max. Output: 12 volts dc, 20 amps dc
Input: 100-125 VAC, also switchable to 200-250 VAC, 50-60 Hertz, 1 phase
- Works with all 12-volt lead-acid batteries with a capacity of 100-250 amp hours (20 hour rate) & 2.35-2.50 volts per cell maximum voltage
- Also works with sealed, VRLA, AGM & gel cell batteries
- Charges battery to optimum level by constantly monitoring the battery and adjusting the charging current
- Voltage regulated & microprocessor controlled
- Protects against reverse polarity connection and terminates output when disconnected from the battery
- One-year warranty



What makes our products so unique, and so effective, is our patented ReNew-IT Pulse Technology™.

This technology is defined by a distinct "pulse waveform" with a strictly controlled rise time, pulse width, frequency, and ampli-

tude of current and voltage pulse.

No other battery maintenance system in the world has this specific waveform which means no other system can provide the same exceptional benefits as PulseTech products.



Part No.	Model No.	Description	Application
746X725	WC2200	Pulse Charger®/World Version PLUS	For charging & cleaning all types of 12-volt lead-acid batteries.

PulseTech
Products Corporation
The World Leader In Battery
Performance Technology

For more information or to place an order, contact your local PulseTech dealer today:

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