

How To Install The

SOLARPULSE

INDUSTRIAL SOLAR CHARGING SYSTEM

P/N 735X613

12V ERV UNIT



Congratulations, you've just purchased one of the most effective methods available for keeping your emergency/rescue vehicle and other 12-volt lead-acid batteries charged—the **6-Watt SolarPulse (735X613) Industrial Solar Charging System**.

Now you can charge, clean and even extend the life of your 12-volt lead-acid batteries with this one unique, solar-powered system. Besides charging your battery, it also provides a constant electronic dc pulse that removes sulfates on the battery plates and returns them to the electrolyte. By simply cleaning the plates, this system extends battery life, maintains peak battery efficiency, increases charge acceptance so batteries recharge faster and with better quality.

SolarPulse is ideal for emergency rescue vehicles (ERV) because it's elongated solar panel makes it easy to mount by lightbars. But it can also be used with other vehicles and equipment in isolated situations where electrical power is not available.

This system will save you time, money and effort by reducing battery-related downtime, maintenance and replacement.

And it even helps protect the environment. Since batteries last longer, there will be fewer batteries discarded every year.

Now you can spend more time depending on your vehicles and equipment and less time worrying about dead batteries with the SolarPulse.



Mount The Circuit Box

The SolarPulse is easy to install. To begin, mount the circuit box near the battery, but **DO NOT** attach it to the battery itself.

The circuit box can be mounted in one of the following ways:

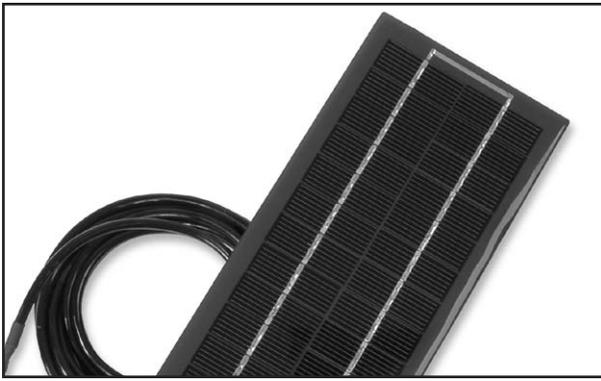
- Screws
- Heavy-duty dual-lock
- Double-sided tape
- Hot glue or other adhesives.

Make sure the circuit box is mounted in a location where it's well protected and will not accidentally be disturbed by mechanics, moving engine parts, etc.

NOTE: For the most effective and continuing results, the SolarPulse should be installed permanently. By doing so, not only will it remove the crystallized sulfur molecules attached to the battery's lead plates, it will also keep them from returning. As a result, your batteries will run at 100% efficiency all the time.

PulseTech[®]
Products Corporation
The World Leader in Battery
Performance Technology

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Mount The Solar Panel

Mount the solar panel where it will have direct access to the sun. It can be mounted on the vehicle or equipment either horizontally or vertically.

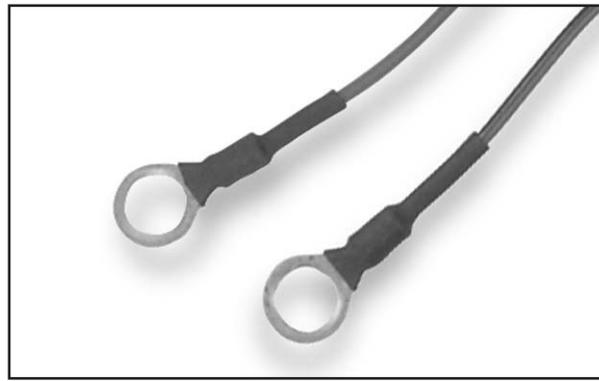
The solar panel can be mounted in one of the following ways:

- Heavy-duty dual-lock
- Double-sided tape
- Hot glue or other adhesives.

Splicing The Solar Panel Wire (Optional)

If you wish to remove excess wiring between the solar panel and circuit box, they can be cut and spliced together. If you wish to extend the length of the solar panel wires, they can be spliced with up to 10-feet of the same gauge wire as the model you are installing.

NOTE: Only the wires between the solar panel and the circuit box can be spliced. **DO NOT** splice the wires between the circuit box and battery.



Connect The Wires To The Battery Terminals

IMPORTANT: The red positive (+) wire must be connected to the red positive (+) battery terminal and the black negative (—) wire to the black negative (—) battery terminal in order for SolarPulse to work.

To connect the wires, do the following:

- Remove the nut securing the battery clamp to the positive (+) battery terminal.
- Slip the round metal lug at the end of the positive SolarPulse terminal wire onto the clamp bolt
- Screw the clamp nut back onto the bolt and tighten it securely
- Now repeat the last three steps with the negative SolarPulse wire

Call For More Information

The SolarPulse is just one of many patented battery maintenance products available from PulseTech Products Corporation.

For information on the full line of PulseTech products, see your local PulseTech dealer. You can also call **1-800-580-7554**. Or go to our website at **www.pulsetech.net** to find the dealer nearest you.

Precautions

- Make sure the terminal lugs are connected to the correct terminals (i.e. positive on positive). Reversing connections could drain the battery of power.
- **DO NOT** hold the positive and negative ends if the terminal wires at the same time the solar panel is in sunlight. It can inflict an electric charge to the body.
- **DO NOT** hold ends together while the solar panel is in full sunlight. The wires may become very warm and cause the unit to fail.
- In full sunlight this unit is capable of producing an open circuit voltage far in excess of rated volts.
- Any solvents that may be harmful to plastic should not be used on the unit.
- Be cautious with wires around moving engine parts and accessories.

Please Note

The pulsating dc current produced by this product may interfere with the correct operation of some electronic devices when the unit is placed near the antenna. In order to insure no interference, the circuit box should be placed away from the antenna.

Warranty

This unit is guaranteed against defective materials or workmanship for a period of five (5) years. If, for any reason, this unit should fail to operate because of defective materials or workmanship anytime within five (5) months from the date of purchase, return the defective unit with proof of purchase to your distributor for repair or new replacement unit.

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