PulseTech®
PRODUCTS CORPORATION

Installation Manual
For Models
SP-3, SP-7,
SP-12 & SP-25

Positive & Negative Lugs

Solar Panel

Circuit Box

Quick Disconnect
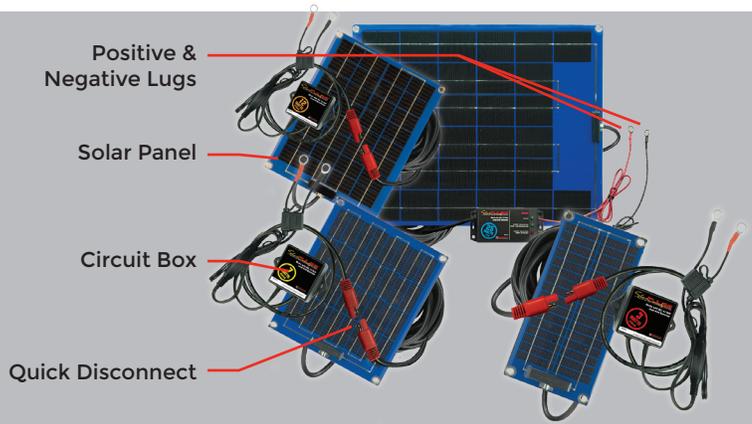
RECOVER ✦ CHARGE ✦ TEST ✦ MAINTAIN

GETTING STARTED

What SolarPulse Can Do For You

SolarPulse is one of the most effective methods available for charging your 12-volt lead-acid batteries. Besides charging, it also uses our patented Pulse Technology® to remove and prevent the buildup of lead-sulfate deposits on your battery plates. By keeping the plates clean, your battery recharges faster, accepts a full charge and releases all its stored energy.

All of these SolarPulse unit have three components:

• Solar Panel with quick disconnect for easier installation
• Circuit Box housing our exclusive Pulse Technology
• Positive and Negative Lugs for connecting to the battery
Installation is quick and easy. Just follow the steps inside.
WARNING: Because of the possibility of personal injury, always use extreme caution when working with batteries.

SPECIFICATIONS

SP-3
Max Charge Current: 240 mA
Maximum Output Voltage: 16.5 V
Solar Panel Dimensions:
  4.7" L x 9.45" W x 0.25" H
Circuit Box Dimensions:
  3.4" L x 2.25" W x 1.5" H
Main Cable Length: 17'
Lug Cable Length: 3'
Quick Disconnect At Battery
LED Pulse/Charge Indicator

SP-7
Max Charge Current: 450 mA
Maximum Output Voltage: 16.5 V
Solar Panel Dimensions:
  10.25" L x 8.85" W x 0.25" H
Circuit Box Dimensions:
  3.4" L x 2.4" W x 1.5" H
Main Cable Length: 17'
Lug Cable Length: 3'
Quick Disconnect At Battery
LED Pulse/Charge Indicator

SP-12
Max Charge Current: 750 mA
Maximum Output Voltage: 16.5 V
Solar Panel Dimensions:
  12.41" L x 9.85" W x 0.25" H
Circuit Box Dimensions:
  3.4" L x 2.4" W x 1.5" H
Main Cable Length: 17'
Lug Cable Length: 3'
Quick Disconnect At Battery
LED Pulse/Charge Indicator

SP-25
Max Charge Current: 1.6 A
Maximum Output Voltage: 16.5 V
Solar Panel Dimensions:
  16.13" L x 18.69" W x 0.25" H
Circuit Box Dimensions:
  5.5" L x 2.5" W x 1.2" H
Main Cable Length: 17'
Lug Cable Length: 3'
Quick Disconnect At Battery
LED Pulse/Charge Indicator

WARRANTY AND WARNINGS
10-Year Limited Warranty

WARNING

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 ensure no interference, the circuit box should be placed away from the antenna.

BASIC CLEANING & MAINTENANCE

• Be sure to keep the solar panel clean of dirt and dust so that it has optimum access to sunlight.
• The circuit box has no moving parts so maintenance is unnecessary.
• Periodically check to make sure the positive and negative wires are securely fastened to the battery terminals.

1 The circuit box can be mounted using any of the following methods: Two round-head screws, industrial adhesive, heavy-duty dual lock or double-sided tape (not included). After cleaning the install area, mount the box close to the battery so that the lugs can reach the terminals. DO NOT attach it to the battery itself. Also make sure the box is located in a location where it won't be disturbed and the LED is visible.

2 If needed, use plastic cable ties (not included) to secure the circuit box wires to the battery cable or other secure area near the battery. This will keep the wires from being damaged or interfering with any moving engine parts.

3 Circuit box includes an LED on top. LED will light when lugs are attached to the battery terminals and solar panel is installed and receiving sunlight. It shines steady in full sunlight and dims in indirect sunlight.

4 Connect the positive (+) wire to the positive (+) battery terminal. After removing the nut from the bolt securing the battery clamp to the positive terminal, slip the round metal lug at the end of the positive red SolarPulse wire onto the bolt until it sits next to the clamp.
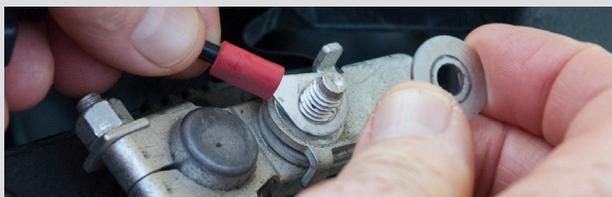
5 Slip a round washer (not included) onto the bolt until it sits next to the lug. Replace the nut onto the bolt and tighten it until it secures the lug and washer against the clamp. Do not over tighten. Repeat steps 4-5 above to connect the negative (-) black SolarPulse wire to the negative (-) battery terminal.

6 Mount the solar panel using any of the following methods: Four round-head screws, industrial adhesive, heavy-duty dual lock or double-sided tape (not included). It should be mounted where it will have direct sunlight.

The SolarPulse unit is now ready. Once the panel is exposed to sunlight, SolarPulse will begin charging your battery and preventing/removing the buildup of lead-sulfate deposits on the battery plates. Note: For the most effective results, we suggest you install SolarPulse permanently. However, if your vehicle or equipment does not allow for a permanent install, a temporary placement will not affect the performance of SolarPulse.

WARNING: Any solvents that may be harmful to plastic should not be used on or near the unit.

WARNING: Do not hold the positive and negative lugs at the same time while the unit is active (receiving sunlight). It may cause a slight electric shock.

7 Feed the solar panel cable through any existing opening in the vehicle or equipment into the battery compartment. Connect the quick disconnect plugs on the solar panel and the circuit box cables.