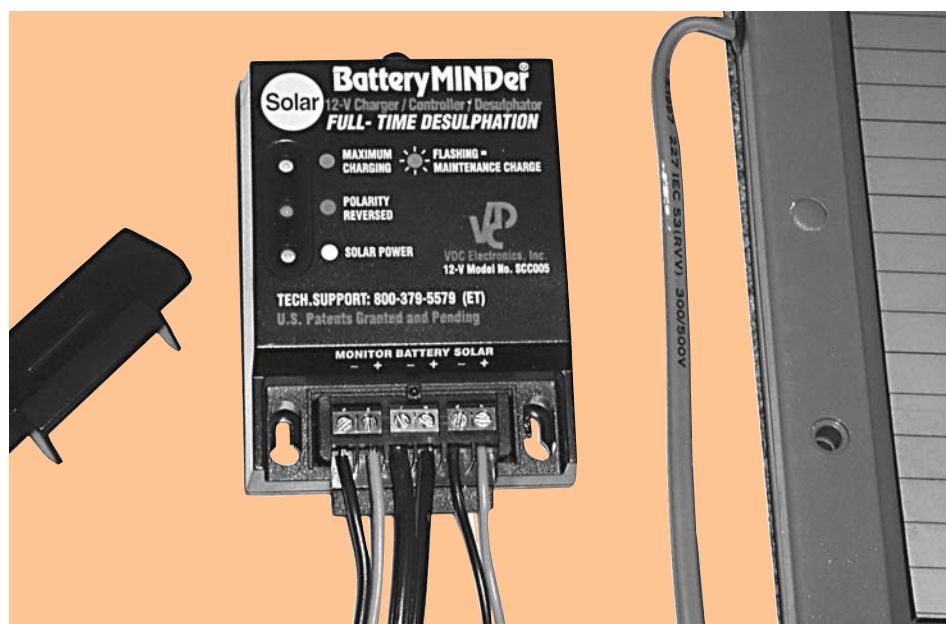


Note: Your battery(s) need to be in “good” condition to gain the full benefits from your **BatteryMINDER** Solar maintenance charger – desulphator system. By “good” we mean no shorted cells, and a “rested” voltage of each battery = ≥ 12 volts*. When able to test your batteries with a hydrometer, **do so only after fully charging them and waiting at least overnight before testing** for specific gravity level. If your readings indicate battery is holding a charge equal to only 1125 (1.125 s.g.) or only 2 balls floating (in a 4 ball type hydrometer) or just 12.25 volts (when tested with a digital voltmeter), your batteries should first be desulphated with a 120 Vac input type charger-desulphator. Once your batteries are properly desulphated your solar charging system will be able to keep them desulphated and fully charged for years to come. * “RESTED”-SEE OTHER SIDE

Solar panel must be mounted **Black glass side up** (silver side down). It must be orientated in a direction that



— + To Solar Panel

will ensure maximum exposure to the sun.

It **MUST** be mounted on a **flat surface only** using the four (4) holes located on the panel's frame. Panels are made of tempered glass, able to withstand nature's elements, including hail stones as large as 1-1/2" diameter at 60 miles / hours. However, it cannot stand up to a person's weight, so do not mount anywhere a person could accidentally step on it. Try to locate within area that does not require you to extend the cord. If this is not possible, cord may be extended by an additional 5', using same gauge / type cord.

Solar Controller Must be mounted in an area where it can be easily seen, protected from the elements (direct rainfall), and bright sunlight (where it would be difficult to see the 3 LED status indicators). Do not attempt to extend or replace (substitute) the quick connect-disconnect battery cables supplied with your system, as it is important the controller be in the same general temperature environment as the battery(s). Use the already attached Velcro adhesive pad to either temporarily or permanently mount the controller. This will allow you to change its location, should you ever wish to, without leaving holes behind. You may also choose to use the screw holes provided.

Connect output wires from solar panel to solar controller by sliding terminal cover on controller to expose terminals beneath. **Be careful to observe correct polarity.**

Connect cord set (supplied) to battery clamps or directly to terminals (depends on battery type) Observe polarity indications on ring end of wires: Red = + (**positive**) Black/Blue = - (**negative**).

Solar Controller has three (3) separate LED status indicators: They are:

Yellow = **Solar Power** - Lit when sufficient sunlight is available to charge/maintain/desulphate battery(s)

Red = **Polarity Reversed** (Battery only) If lit RED, reverse battery connector wires to battery.

Green = **Battery Charge** If lit (solid) battery is being charged-desulphated. If it blinks (flashes) battery is being maintained and desulphated (if required).

IF NO LEDs ARE LIT, SOLAR OUTPUT IS NOT SUFFICIENT TO ALLOW ANY FUNCTIONS TO OCCUR. YOU MUST WAIT FOR ADDITIONAL SOLAR OUTPUT TO OCCUR, BEFORE ANY ACTION CAN TAKE PLACE.

Note: Never try to use your SCC005 solar controller with any other solar panel in excess of a 5 watt maximum rating. Doing so will burn out your unit and void your FIVE (5) year warranty and ONE (1) year Guarantee.

Frequently Asked QUESTIONS:

Q:Can the Solar BatteryMINDER be used to charge, maintain and desulphate any size or type lead acid 12-volt battery such as sealed gel, agm, deep cycle, marine, maintenance free electrolyte?

A:YES, BatteryMINDER can charge, maintain and desulphate any type size lead acid based battery, regardless of construction or brand. It is however limited in power (charge current output) by the solar panel (5 watts = 15-v @ 0.333 amps). If possible, always charge your battery(s) to full capacity using a plug-in type 120 Vac input high output charger, before connecting it to your solar maintenance charger.

Q:Can BatteryMINDER be used to maintain and desulphate more than one battery at a time?

A:YES, but remember the limitation of the solar panel will determine how much current output your Solar BatteryMINDER can supply to the battery. Normally, 2 parallel connected medium sized (auto size) batteries can be maintained, if they are in good condition. See our definition of a “good” battery in instructions for the Battery MINDER SCC005 solar maintenance charger-desulphator.

Q:Why do the solar LED indicators turn off and then suddenly turn on seconds later?

A:When the sun goes behind a cloud the solar controller shuts down, in order to prevent the battery from being discharged due to low or no solar energy. As soon as sufficient solar energy is detected by the solar controller, the LED indicators turn on again and unit resumes its function as a charger-maintainer-desulphator.

Q:Why doesn't the GREEN LED start blinking immediately after low solar shut off, when just before the LEDs turned off the green LED was blinking?

A:For the green charge power LED to blink unit must first charge battery to approximately 14.2-volts. Once it reaches this voltage the unit automatically switches to a lower float-maintenance level where it holds the battery's voltage at approximately 13.4-volts. For the green LED to start blinking the unit must first charge the battery again to the 14-volt level. This can take from several minutes to several hours, depending on battery size and the amount of solar energy hitting the solar panel.