

Install Safety:

- Inspect the installation area for safety hazards
- Be sure to remove all metal such as rings and other jewelry
- Disconnect all power sources and ensure solar panels are completely covered by a box or blanket until installation is done

Install Tools:

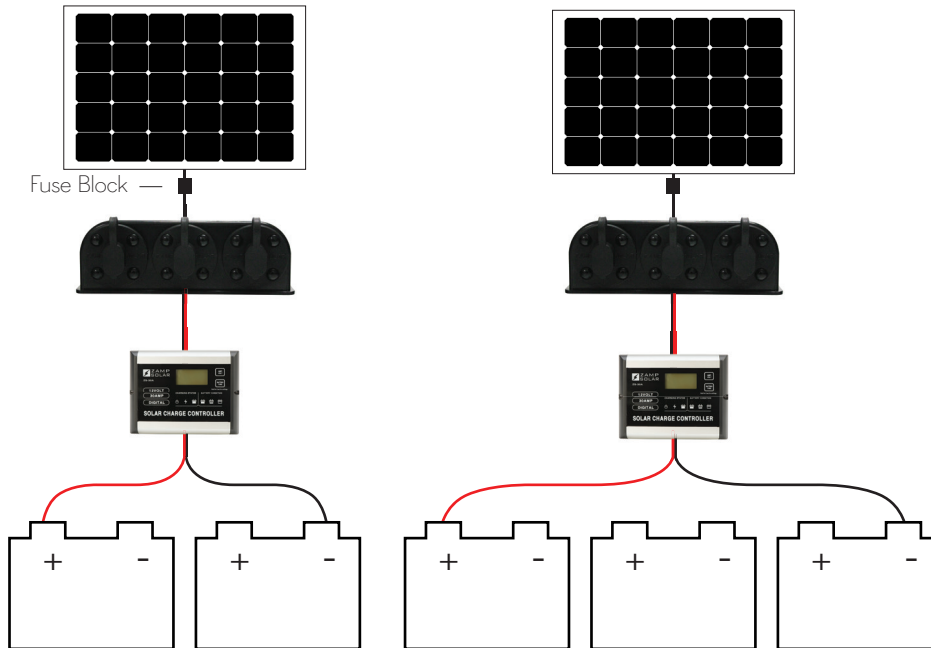
- Flat head screwdriver
- Philips head screwdriver
- Wire stripper
- Self-Leveling Sealant

Install Instructions:

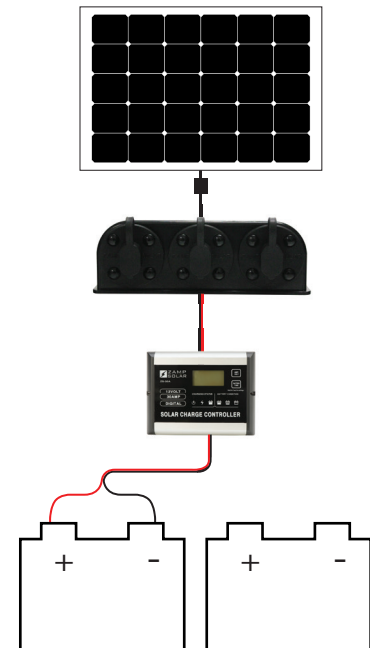
1. Arrange the layout of your panels and wire, ensuring that:
 - 3-port roof cap is no more than 15' from charge controller
 - panel leads can reach 3-port roof cap
 - charge controller is no more than 9' from battery
 - panels are not shaded by vents, AC units, or other obstructions
2. Connect 15' Solar wire(s) to the 3-port roof cap(s).
 - Strip the ends of both positive and negative wires ½ inch
 - Screw the red (+) wire into corresponding positive terminal, black (-) wire into corresponding negative terminal.
3. Mount 3-port roof cap(s) and route the 15' cable(s) from roof to charge controller location
 - *Do not make connections at this time
4. Proceed to install the wires from both roof caps to the corresponding terminal on the charge controller, ensuring connection is tight. (2 red on red, 2 black on black) Repeat with battery harness.
 - * Connect RT-1 wires to charge controller and proceed with RT-1 install as per the manual instructions.
5. Mount your charge controller
6. Install the fuse block onto the positive battery terminal.
7. Connect the positive wire to the fuse block
8. Connect the black wire to the negative battery terminal
9. You may now plug the SAE solar panel leads into the 3-port cap(s) and uncover the panels
10. You are now charging your battery.
11. Configure your charge controller to the proper battery type

When wiring a solar kit to multiple batteries, it is important to remember that your batteries are wired together. To gain the most from your solar kit, be sure to place the positive wire on the first battery in the sequence and the negative wire on the last battery in the sequence. This is true regardless of the number of batteries in the bank.

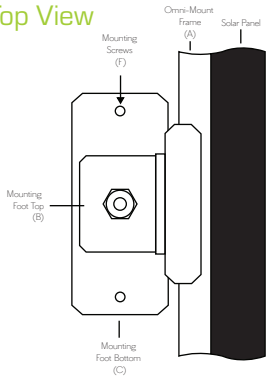
How **TO** wire a solar controller for 2 batteries How **TO** wire a solar controller for 3 batteries



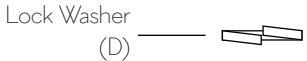
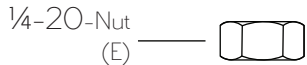
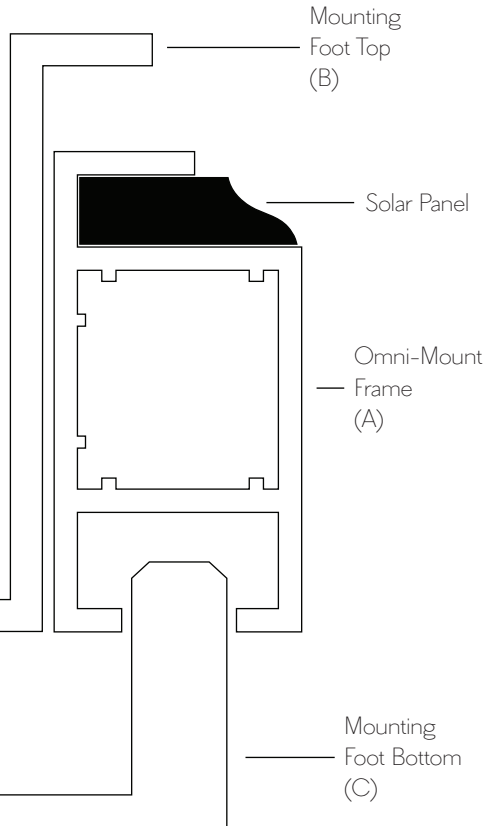
How **NOT** to wire a solar controller for 2 batteries



Top View



Side View



Included Mounting Foot Components

- B (4) Mounting Foot Top
- C (4) Mounting Foot Bottom
- D (4) Lock Washer
- E (4) 1/4-20 Nuts

Not Included Components

- Tube of UV Rated Adhesive Sealant
- Drill
- F (8) Mounting Screws (size #8)

Install Instructions:

1. Find placement for your panel(s) on roof.
2. Install mounting feet to panel by following the diagram.
3. Tighten 1/4-20 nuts to approximately 20 foot lbs of torque.
4. Mark the location of the mounting foot (C) holes on the roof of your RV.
5. Drill holes as indicated by the marks from previous step.
6. Apply a generous amount of sealant to the RV roof where mounting feet and screws will be placed.
7. Place panels and mounting feet over the drilled and sealed areas.
8. Install the mounting screws (C) and let sealant set.
9. Retighten as needed.