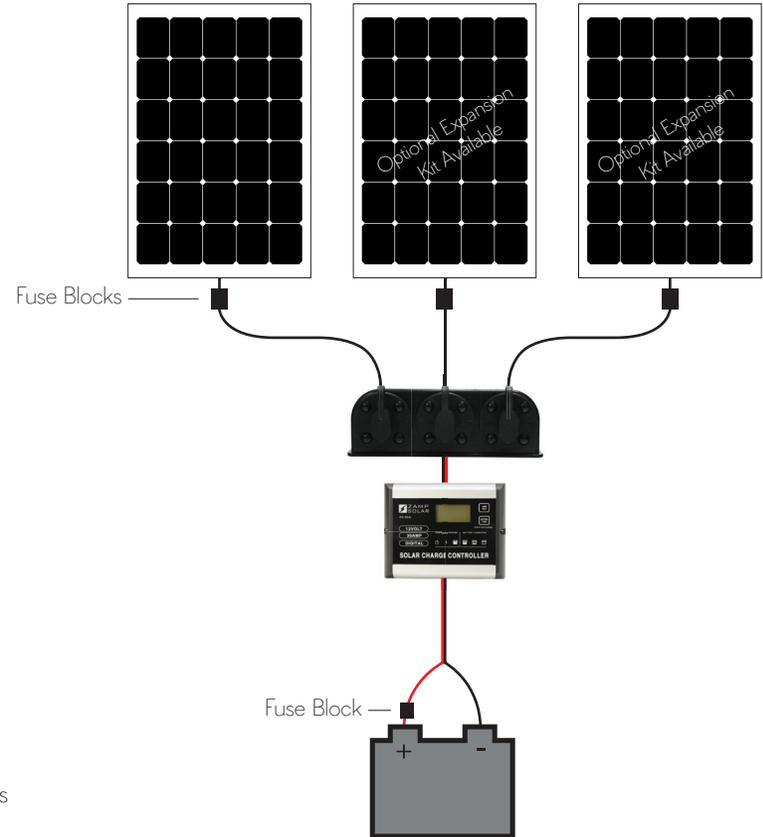**ZAMP® SOLAR**

## Install Safety:

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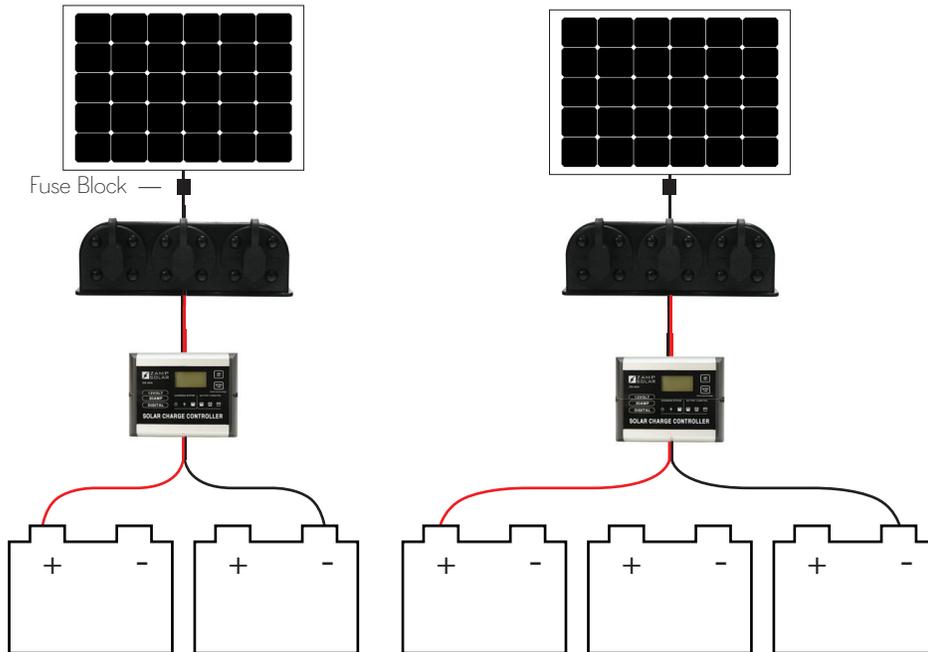- by a box or blanket until installation is complete

## 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 corisponding positive terminal, black (-) wire into corisponding negative terminal.
3. Feed wires through roof and mount 3-port roof cap. Complete routing  the 15' cable from roof to charge controller location
    *Do not make connections at this time
4. Proceed to route the 10' cable from the charge controller to the battery
    *Do not make connections at this time
5. Connect the positive solar wire to the charge controller, then connect the positive battery wire to the controller. Repeat with negative wires.
6. Mount your charge controller
7. Attach mounting feet to panels. Proceed with panel installation.
8. Connect positive wire to battery and repeat with negative wire
9. You may now plug the SAE leads into the 3-port cap and uncover your panels
10. You are now charging your battery.
11. Configure your charge controller to the proper battery type

Optional Expansion Kit Available

Optional Expansion Kit Available

Fuse Blocks

SOLAR CHARGE CONTROLLER

Fuse Block
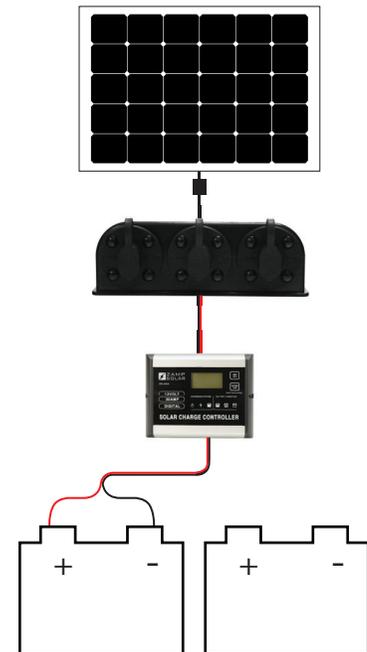
+    −

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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.
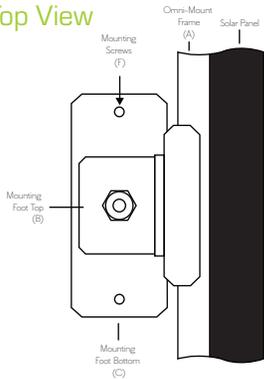
### How TO wire a solar controller for 2 batteries
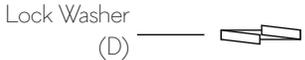
Fuse Block —
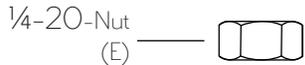


### How TO wire a solar controller for 3 batteries



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



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## Top View

Omni-Mount Frame (A)
Solar Panel
Mounting Screws (F)
Mounting Foot Top (B)
Mounting Foot Bottom (C)

## Side View

Mounting Foot Top (B)

Solar Panel

Omni-Mount Frame (A)

Mounting Foot Bottom (C)

¼-20-Nut (E)
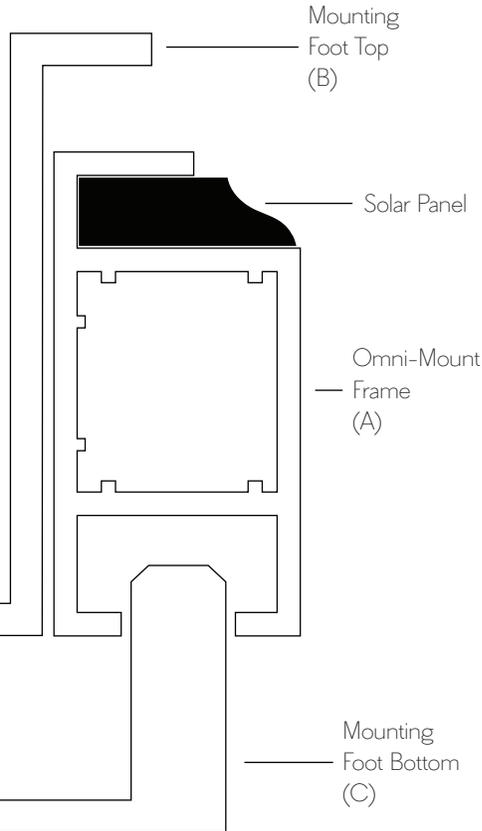
Lock Washer (D)

## Included Mounting Foot Components
- B (4) Mounting Foot Top
- C (4) Mounting Foot Bottom
- D (4) Lock Washer
- E (4) ¼-20 Nuts

## Not Included Components
- Tube of UV Rated Adhesive Sealent
- 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 ¼-20 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 sealent 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 sealent set.
9. Retighten as needed.