

## 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 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 to the 3-port roof cap. (red wire on silver terminal, black wire on black wired terminal. Red terminal will not be used)
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

