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**Zamp Solar 30 Amp Charge Controller to Battery Wiring Harness (WIR1018)**



### Zamp Solar Panel Installation

**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

1. Arrange the layout of your panels and wire, ensuring that: - 3-port roof cap is no more than 15' from charge controller. - panel wires can reach 3-port roof cap. - charge controller is no more than 10' from battery. - panels are not shaded by vents, A/C 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 1/2 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. Attach mounting feet to panels. Proceed with panel installation. 5. Connect the negative battery wire to the charge controller, then connect the battery positive wire through an overcurrent protection device (40A fuse/circuit breaker) to the charge controller as shown below. 6. Proceed to route the 10' cable from the charge controller to the battery.

7. Connect the positive and negative battery wires to the battery as shown below and verify the charge controller turns on. 8. Connect the positive and negative solar wires to the charge controller. 9. Mount your charge controller. 10. Configure your charge controller to the proper battery type. 11. You may now plug the SAE leads into the 3-port cap and uncover the panels. 12. You are now charging your battery.

Wiring Diagram (all wiring harnesses and wire (gauge) were part of Zamp package)

