



# Cable Entry Plate Installation Instructions

GP-CEP-1  
GP-CEP-10  
GP-CEP-25

1. Plan where the CEP is going to be located on the RV roof. Consider shading of vents for solar panel placement. Make sure it is within reach of the solar panel(s) or use extension cables to reach between the solar panel(s) and the CEP. Make sure the interior location is accessible for wiring the solar controller.

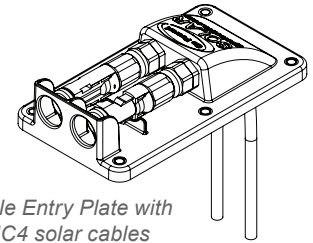
**Note:** Ideal location of the CEP, solar panel and solar controller is near to the battery compartment. Total cable length should not exceed 25 ft.

2. Obtain 6 appropriate screws to fasten the CEP down onto the roof. #12 or #10 stainless steel pan-head screws are recommended. Do not use flat-head (countersunk) screws.
3. Obtain an appropriate sealant for the job. Sealant will depend on roof membrane material. Sikaflex brand sealant is recommended for typical rubber, aluminum or fiberglass roofs.
4. Obtain appropriate butt splices to join the CEP cables to RV's internal wiring (if applicable).

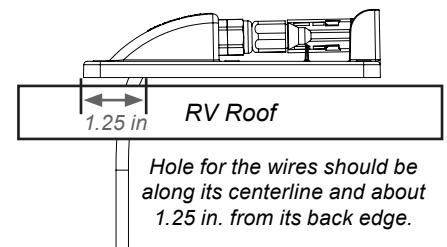
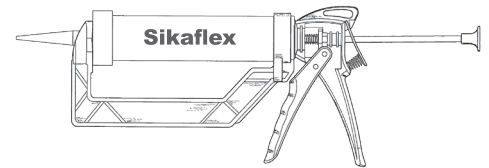
**Note:** Use a minimum 10 AWG - to - a maximum of 6 AWG, wire for internal wiring. Heat shrinkable splices are recommended. You can also use a quality adhesive-lined heat shrink to seal the splice against moisture.

5. Mark the location of the CEP hole to be drilled in the roof. Note that when the CEP is installed, the hole for the wires should be along its centerline and about 1.25 in. from its back edge.
6. Drill a small pilot hole in the chosen spot. Enlarge the hole to 5/8" or 3/4" diameter. Use a sharp tool.
7. File or otherwise remove any sharp metal edges. Thoroughly clean the area around the hole. A clean surface is critical to ensuring a proper sealant bond.
8. Feed the internal wires up through the hole and follow the butt splice manufacturer's instructions to complete the splicing to the CEP wires.
9. Apply a generous bead of sealant to the underside of the CEP, following the channel provided. Make sure the bead goes around all mounting holes. The sealant should expand significantly beyond the bottom of the CEP.
10. Push the wires back into the hole lowering the CEP down until you can just get the caulking gun into and around the hole in the roof; apply a generous bead into and around the hole in the roof and around the wires where they will end up in the hole.
11. Lower the CEP back into place on the roof. Dispense a generous dab of sealant into each mounting hole.
12. Install the 6 mounting screws, being careful not to over-tighten them.
13. Apply a dab of sealant on top of and around the head of each screw, and a generous bead around the perimeter of the CEP.
14. Continue with the internal wiring of the system.

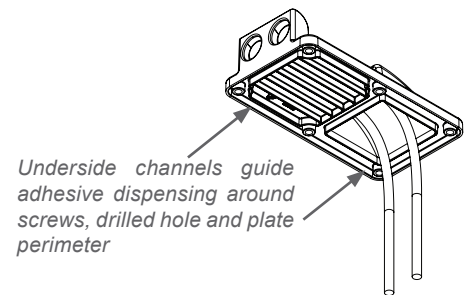
**Note:** A 30 amp in-line fuse should be added to positive wire near battery.



Cable Entry Plate with  
MC4 solar cables



Hole for the wires should be  
along its centerline and about  
1.25 in. from its back edge.



Underside channels guide  
adhesive dispensing around  
screws, drilled hole and plate  
perimeter



Wired for Solar™ and Solar on Board™ installation on next page.



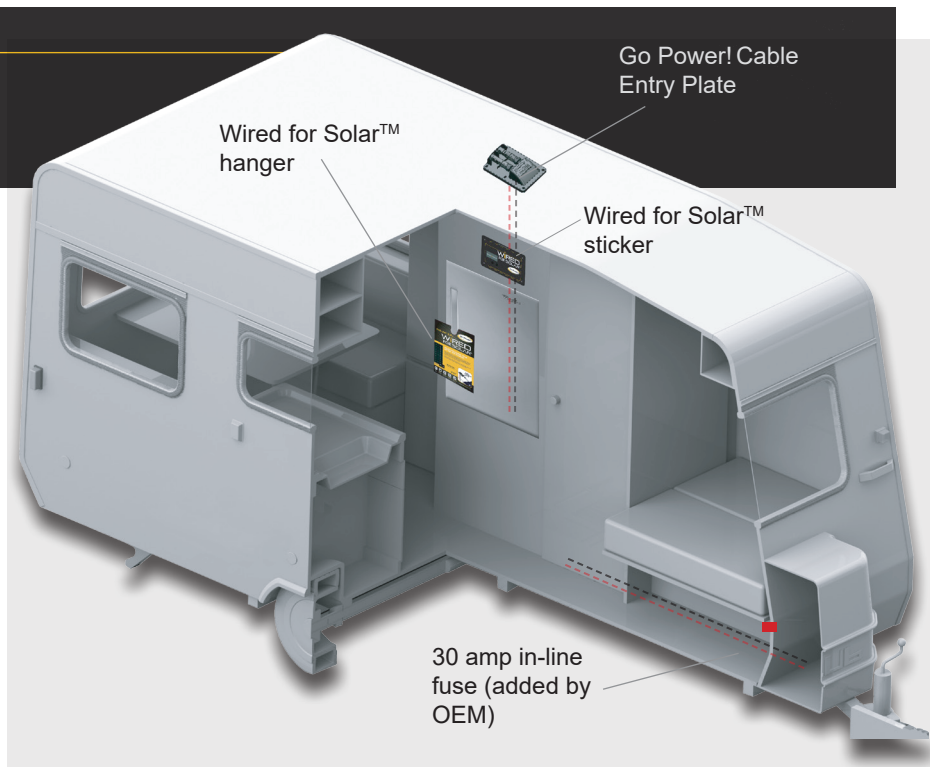
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15. The Go Power! Cable Entry Plate kit includes 2 pieces of marketing collateral to be installed on the unit. See diagrams.

## WIRED FOR SOLAR™

- Add “Wired for Solar™” controller sticker to interior as placeholder for controller installation.
- Add “Wired for Solar™” hanger card to kitchen cupboard.



## SOLAR ON BOARD™

- Add “Solar on Board™” exterior sticker and hanger card on unit.
16. Wire CEP to solar controller. Follow solar controller instructions.
17. When you are ready to connect the solar panel, it is a good idea to cover the top of the panel with a blanket or similar if outdoors (to avoid damaging the connector and possibly creating a spark). Remove the sealing covers from the CEP, and plug the connectors from the solar panel into the connectors on the CEP. Push them in firmly until you hear a loud click.

