

I installed 2 140 watt panels. My panels are 26" X 56" I put one behind the AC and one in front. The one in front is angled a little bit to accommodate the curvature of the roof. The rear panel is mounted using the Z shaped panel mounts available from Amazon. Because of the curvature I had to manufacture brackets from aluminum angle from Lowe's. The brackets are attached to the roof with 3M VHB 4950 double sided tape (Amazon) (Thanks Floyd Stewart)

I ran the wire from the panels to the battery as follows: Each panel is wired to a PVC outdoor junction box via Liquidtite conduit. I drilled a hole in the back of the Junction Box and through the roof of the Pod. The JB is attached to the roof with 3M 5200 adhesive sealant. You could also use 3M 4200. I drilled a hole through the roof into the void that runs next to lavatory vent and behind the lavatory. The wire is routed through that void and the void that is between the wall in the cabinet and the wall where the Pod's slide switch and the voltage/tank fill indicators are located. (The panel inside the cabinet is easily removed) The wires connect there to the charge controller. Then the wires from the controller are routed back to the void behind the lavatory and down behind the Pod's fuse/breaker box. At that point, I took advantage of the wire pass through in the floor and ran the wires through the floor and spliced into the Zamp wires which go to the battery. At the battery I put an inline fuse (15 Amps may have to up that to 20 Amps) I used 10 ga THHN wire throughout. The Zamp wires are located in the flexible conduit on the bottom of the right side of the Pod. They share space with the cables that run between the fuse box and the battery.



I mounted the controller on the Pod wall where the voltage/tank fill indicators are. I have a Blue Sky 2512 controller. A bit pricey, but there are much less expensive ones on the market.

Blue Sky
SOLAR

CHARGE STATUS

- ☐ 0.0-0.99V
- ☐ 1.0-1.99V
- ☐ 2.0-2.99V
- ☐ 3.0-3.99V
- ☐ 4.0-4.99V
- ☐ 5.0-5.99V
- ☐ 6.0-6.99V
- ☐ 7.0-7.99V
- ☐ 8.0-8.99V
- ☐ 9.0-9.99V
- ☐ 10.0-10.99V
- ☐ 11.0-11.99V
- ☐ 12.0-12.99V
- ☐ 13.0-13.99V
- ☐ 14.0-14.99V
- ☐ 15.0-15.99V
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- ☐ 86.0-86.99V
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- ☐ 94.0-94.99V
- ☐ 95.0-95.99V
- ☐ 96.0-96.99V
- ☐ 97.0-97.99V
- ☐ 98.0-98.99V
- ☐ 99.0-99.99V
- ☐ 100.0-100.99V

SOLAR BOOST 2500-HV
12 VOLT 2000 AMP MPPT SOLAR CHARGE CONTROLLER
270W 40 CELL MONO
90W 36 CELL MONO
180W 72 CELL MONO



I plan to install a Xantrex battery monitor as soon as it arrives—back ordered.

I got the panels, controller and monitor from <https://www.altestore.com/store/> I bought the AlltE panel. It's their proprietary brand. Normally, I would have steered away from a proprietary brand, but I've dealt with this company before and think I can trust them. Otherwise, I'd recommend the Kyocera panels. I have them on our boat and they have been very reliable. Panels, \$230 each and the controller \$190 (much less expensive controllers available)



This install is on a 179. Similar voids and routing possibilities exist on other models.

From Podder Peter Kafer