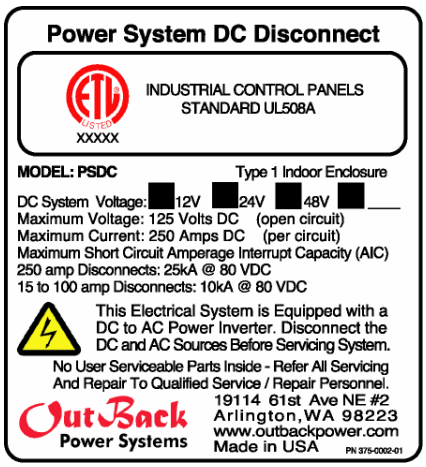
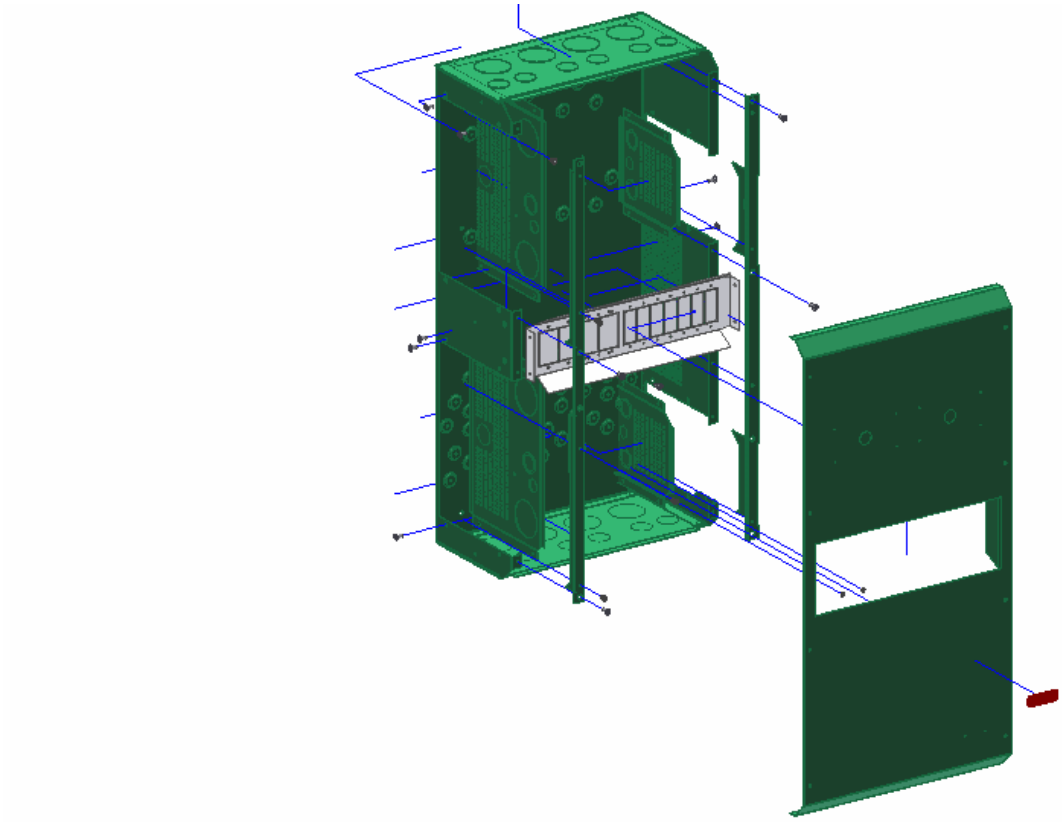
19009 62nd Ave. NE Arlington, WA. 98223 Phone 360-435-6030 Fax 360-435-6019

PSDC Instructions

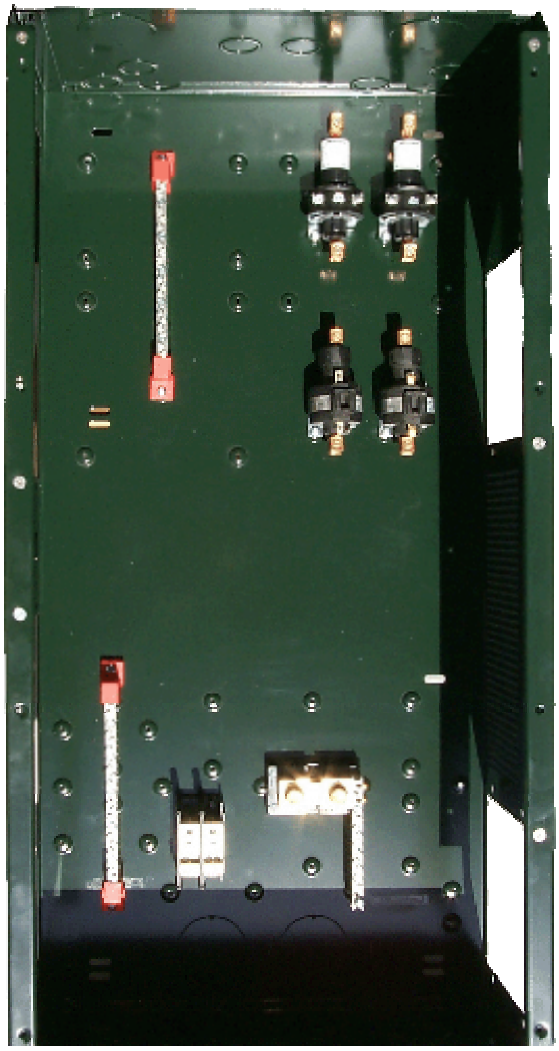


This depicts wiring of a typical fully loaded system. Note that the excessive use of charge controllers is shown as possible locations.

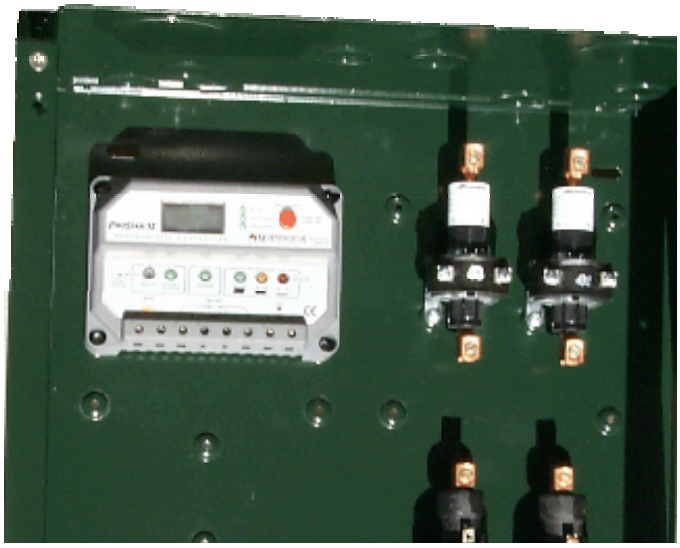


Exploded view of metalwork

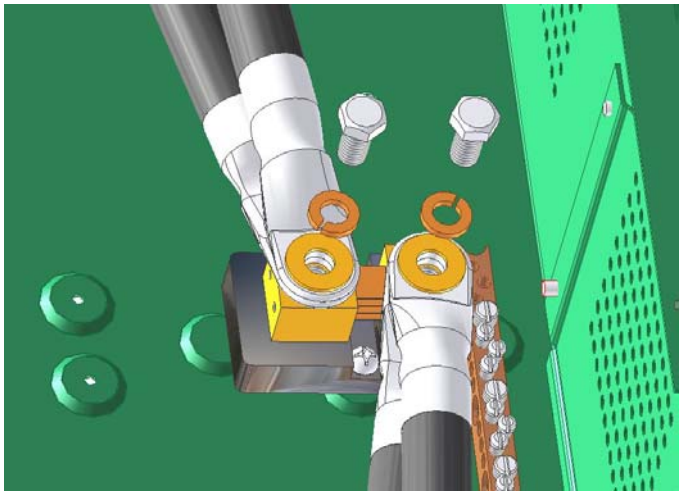
Use the top slots for mounting PSDC to a PSMP. This will accommodate FX Vanner , DR and SW series inverters. The bottom slots are for future use.



Shunt and terminal block locations. Shown are the optional OutBack TBB+ Long Terminal busbars. Also shown are mercury displacement relays in the upper half and a magnum terminal block in the lower section.

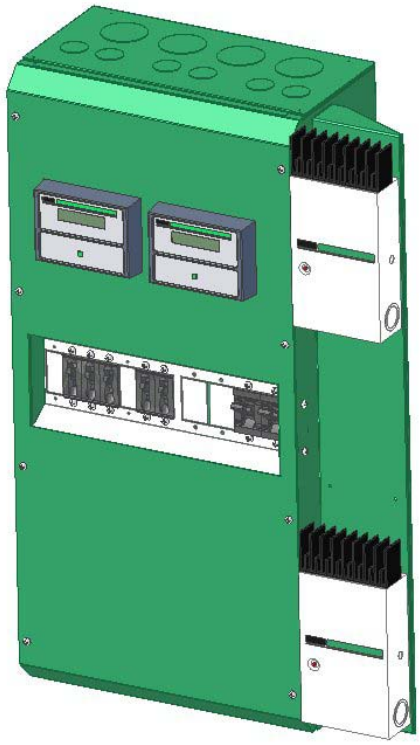


Top of enclosure. Four of the dimpled mounts are located to hold a Morningstar controller.

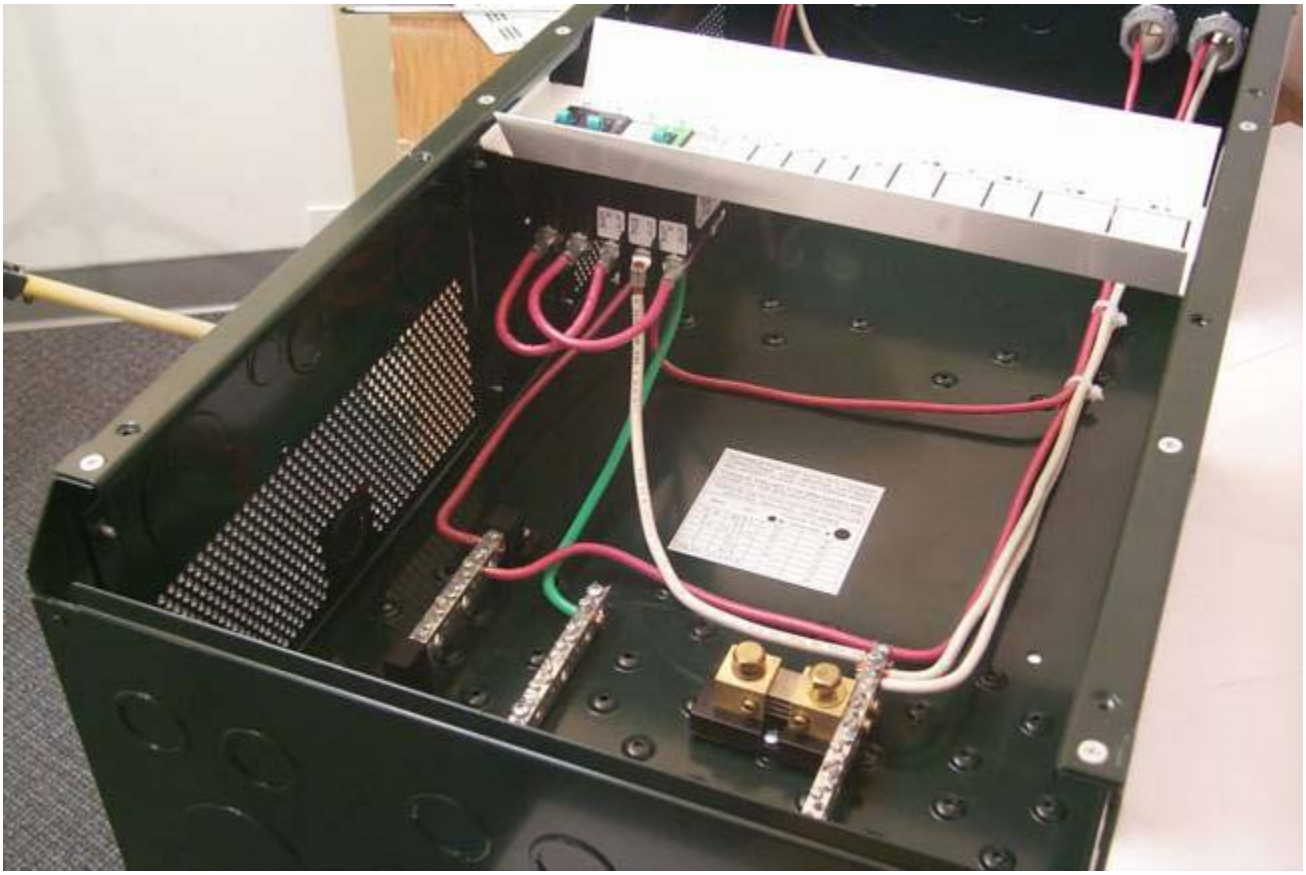


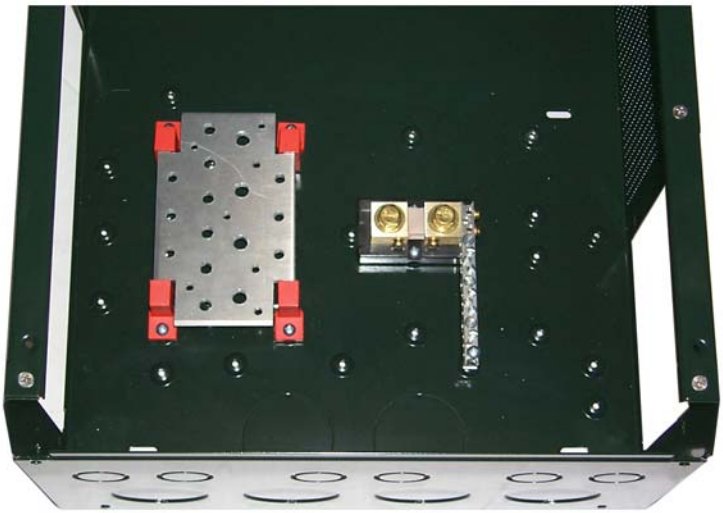
Dual Battery Cable installation. Verify Neutral / Ground busbar for tightness to shunt!!
Battery negative should go to the left side of the shunt (opposite the busbar).
All screws that thread into dimples are 10-32 or 5mm taptite (thread forming screw)

The front cover has locating dimples for up to 2 Trace displays as well as knock outs to fit 2 E-Meters and one Trimetric. Use a round file to remove paint on inside of knockouts for e-meters. Use a 5-32 bit to drill out mounting holes for Trace meters and Trimetric. Use a hack saw blade to connect the rectangle cutouts for the Trimetric. The Trimetric cutout pattern is centered above the E-Meter and Trace Meter locations.

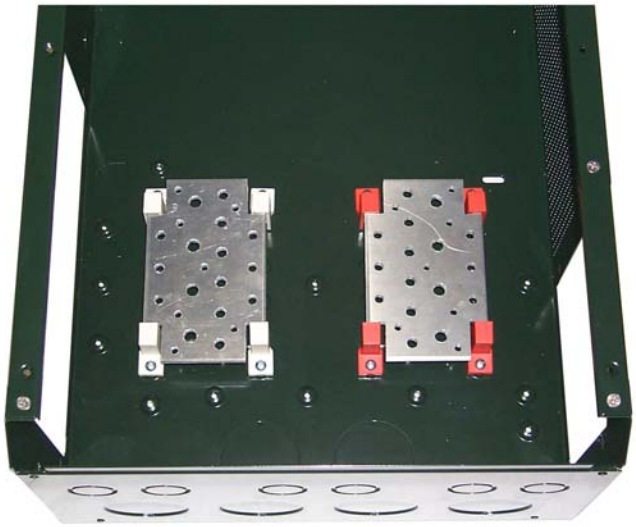


Wiring shown for a dual 60 amp circuit hooked up to the OutBack OBDC-GFP/2.

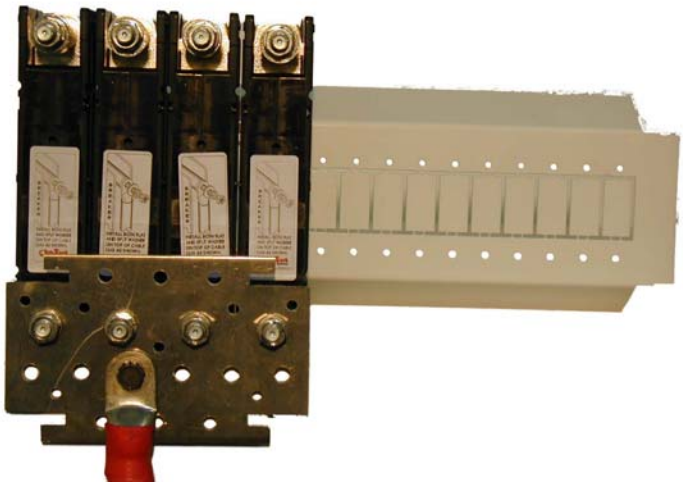




Bottom half of unit shown with shunt and Big Bus. The Big Bus is an option that uses Taptite tread forming bolts to mount numerous cable and wire combinations. This busbar will be available in the summer of 2002.



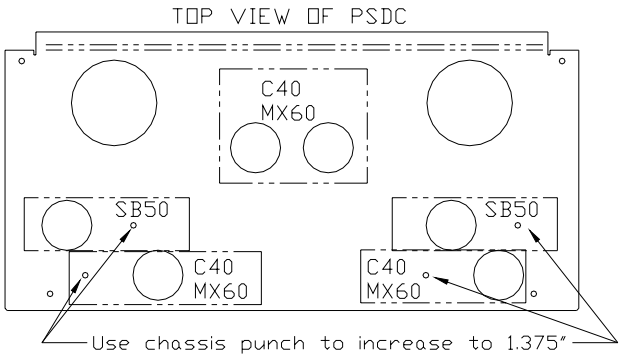
Need two big buses? No problem. Sorry, the shunt had to go for this configuration.



Here is another use for the big bus. Connect your battery system to up to four 250 or 175 amp breakers. You will probably need more than one battery cable feeding this type of configuration.

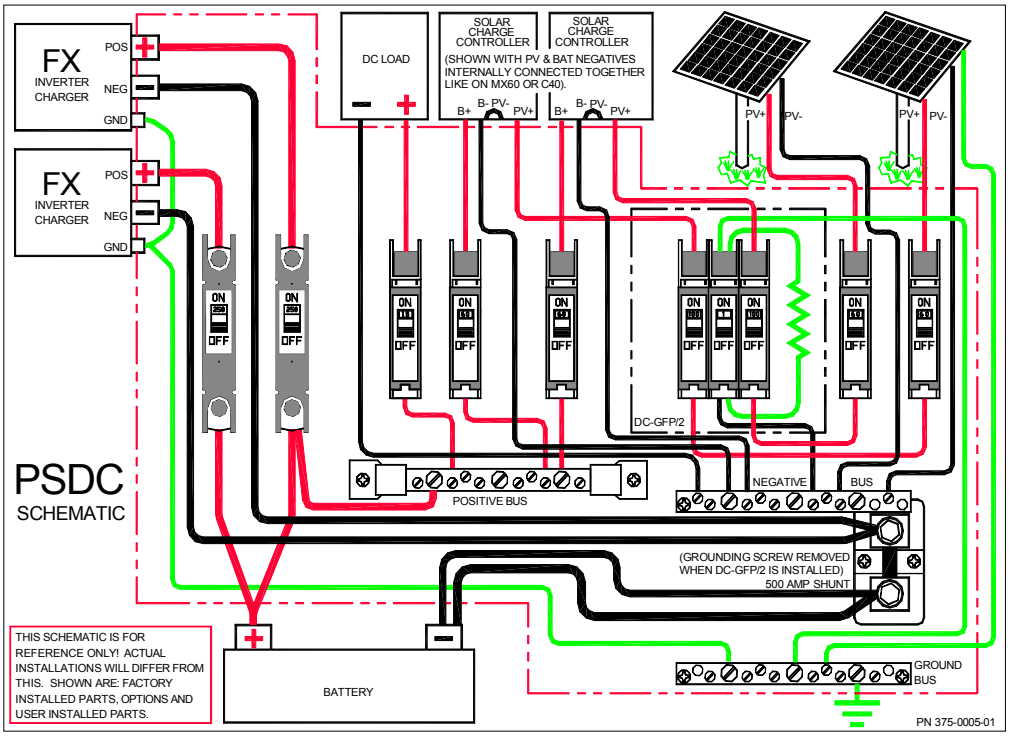
The OutBack OBDC-GFP/2 kit contains all The components required to meet this part Of NEC relating to roof top mounted solar.

Shown are the three sizes of breakers designed to fit into The PSDC enclosure.

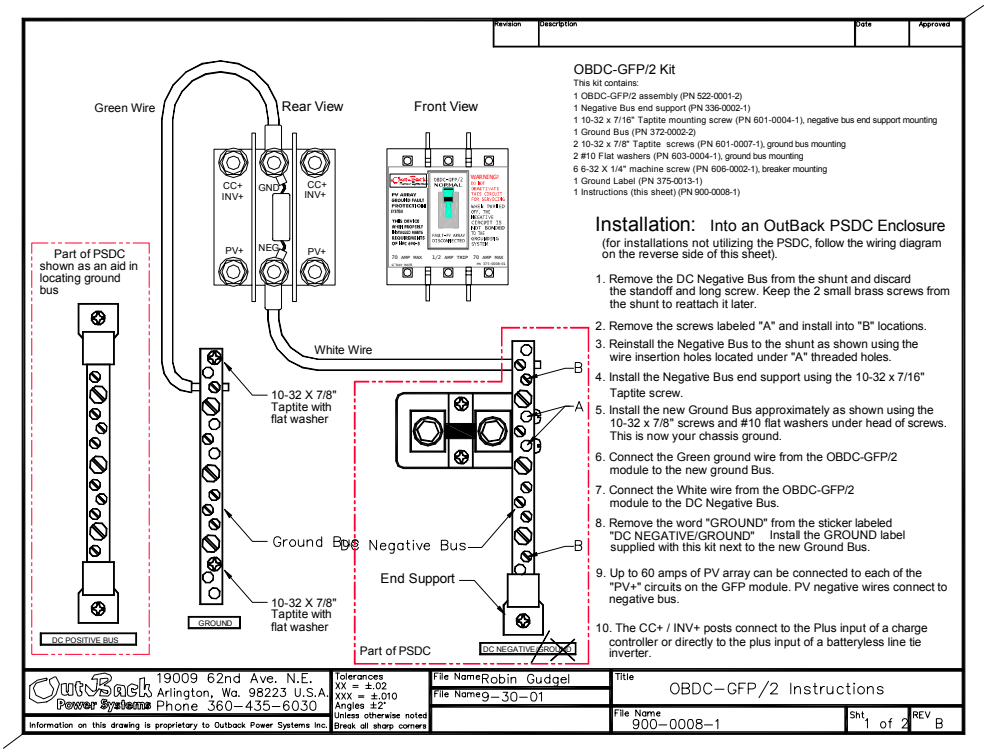


The top of the PSDC will accept two RV power products charge controllers, three C40 type controllers from Trace or two MX60's from OutBack.

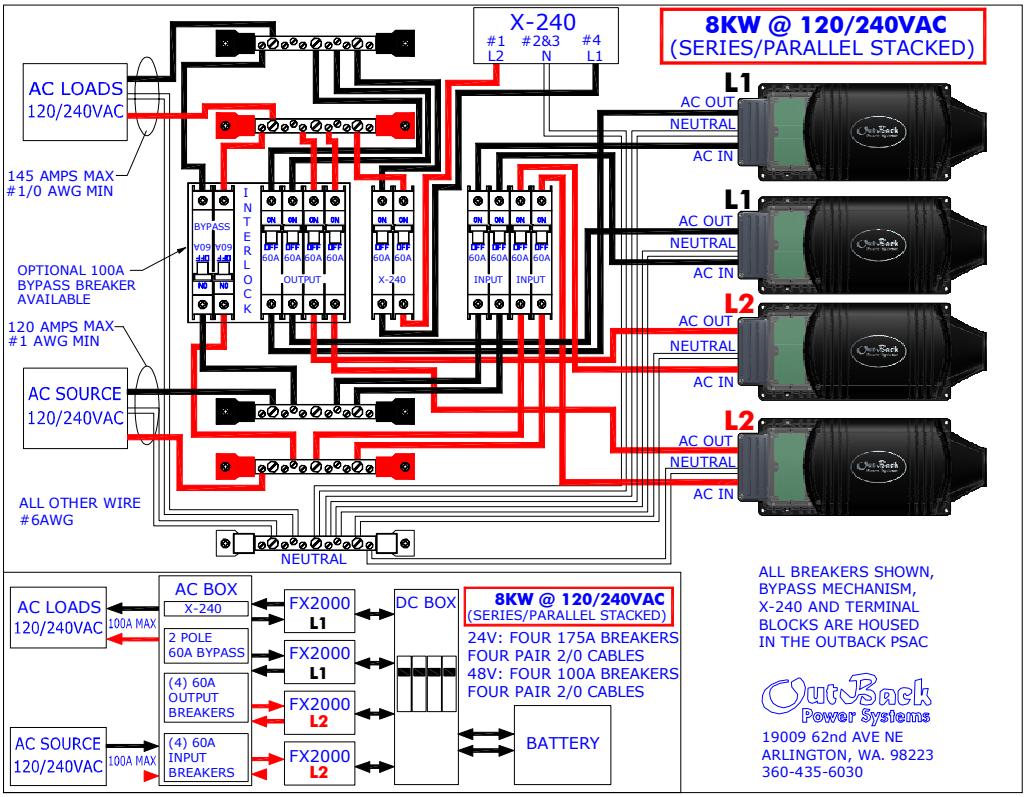
The optional charge control bracket (CCB) shown on page 4 will accept up to three C40 controllers or two MX60's.



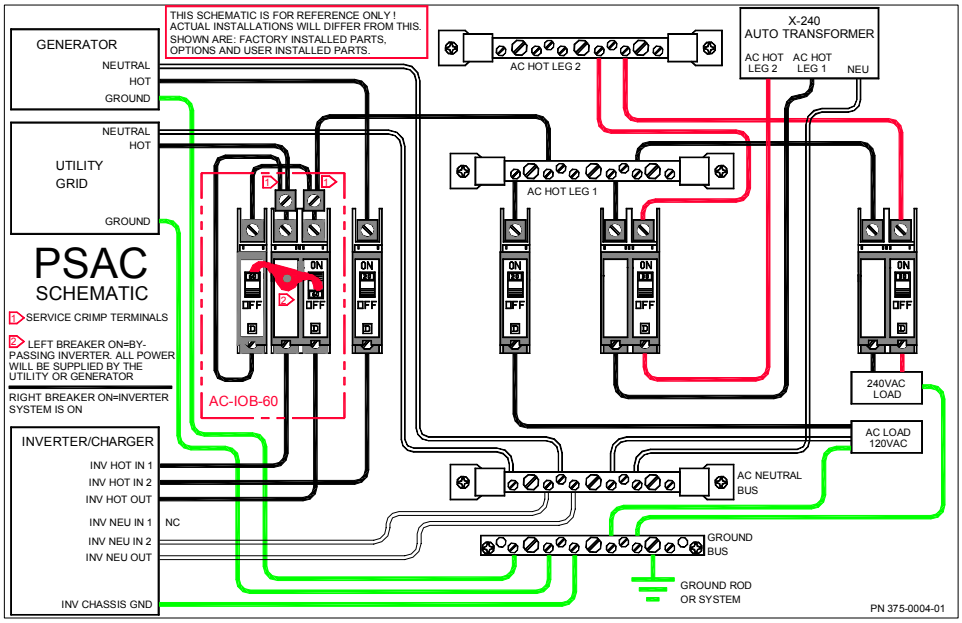
PSDC WIRING DIAGRAM



OBDC-GFP/2 INSTALLATION INSTRUCTIONS



STACKING INVERTERS (AC BLOCK DIAGRAM)



PSAC WIRING DIAGRAM