AM SOLAR
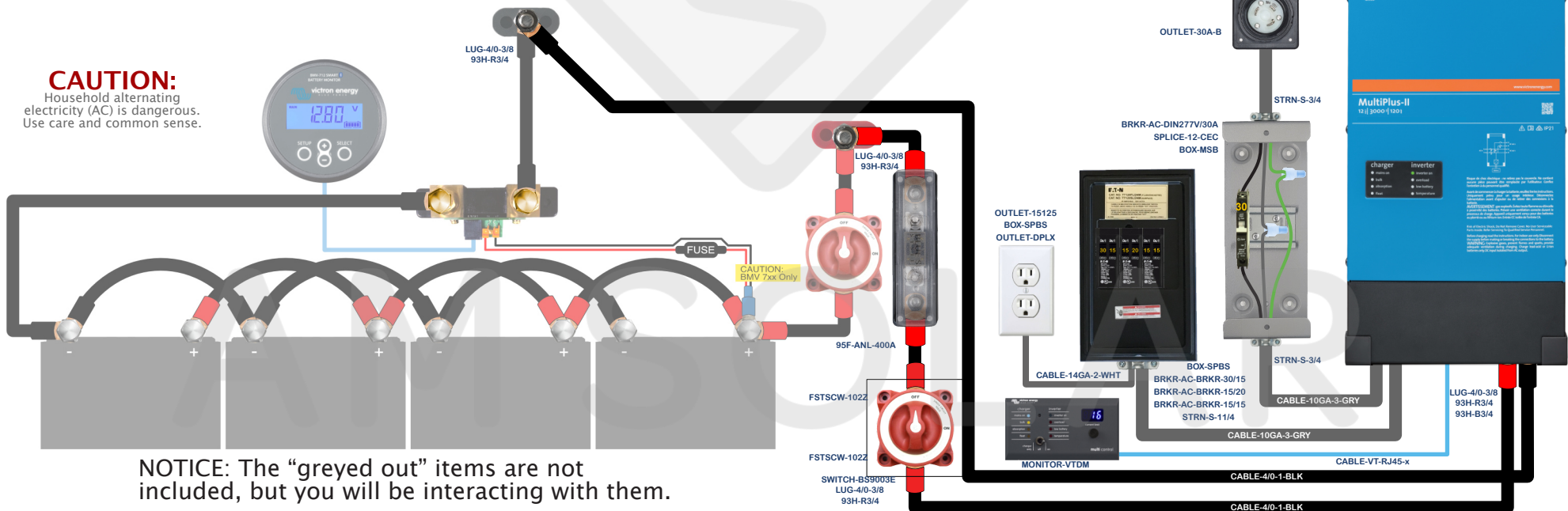
The AC Input/Output system is capable of plugging into a standard 30A shore power outlet. (Note: Adapters from 30A to 15A outlets can be purchased at hardware or RV supply stores). The shore power charges the battery bank and can also be passed through the inverter to the AC loads. If the loads draw more current than the shore power connection can provide, the inverter can meet the demand up to the rating of the inverter by simultaneously drawing from the battery bank. When not plugged into shore power, the inverter will draw from the battery bank to power the AC loads. When not in use, save energy by turning off the inverter via the Digital Multicontrol or Cerbo Touch 50.

1. Position the components prior to connecting the cables. The cable run from the battery bank to the inverter has the potential for the highest current in the entire system, therefore it is important to keep these cable runs as short as possible, ideally less than 5'.

2. Install the AC Input cable from the shore power inlet to the Main AC Panel with the breaker (in the OFF position) to the inverter. Be sure to use the strain reliefs around the cable.

3. Install the AC Sub Panel with its three duplex breakers and connect the AC outlet. Additional outlets and AC loads can be connected to the panel. Be sure the current rating of the load is less than the rating of the breaker it is connected to. Make sure all the breakers are in the OFF position.

4. If applicable, install the Digital Multicontrol in an easily accessible location since it will be used frequently to adjust charger settings and turn ON or OFF the inverter.

5. Connect to the battery bank with the master disconnect switch in the OFF position. Make sure the ANL fuse is between the master disconnect switch and the positive terminal of the most positive battery.

6. Verify Connections, check polarity, tighten terminals and permanently secure all components.

7. Activate the system by turning on all the breakers and the Digital Multicontrol/Cerbo Touch 50.

CAUTION:
Household alternating electricity (AC) is dangerous. Use care and common sense.

NOTICE: The "greyed out" items are not included, but you will be interacting with them.