



**Battery charger, CG1129BH.** -- for 12 volt sealed Pb-acid battery.

This is for systems that do not have the OWL2pe controller (which has the charger built into the top terminal board).

The input should be a 5 or 10 watt solar panel, and the output is up to 13.8 volts for charging a 0.5 to 10 amp-hour sealed Pb-acid battery. The charger is temperature compensated to supply the correct voltage and current.

Blue and black wires to solar panel:  
Blue (with red tag) to solar panel (+).  
Black to solar panel (-).  
Use wire nuts for connection.

Faston tabs to battery:  
Red tab to battery (+).  
Black tab to battery (-).  
Be sure the tabs are on fully and securely, use pliers to hold and push tabs  
If the tabs seem too tight, push the blade of a 1/8" screwdriver into the tabs  
to separate them slightly.

Barrel plugs:  
One to zcaim. or SD1  
One to Anabat or second SD1.  
It does not matter which is which. Both supply 13.8 volts DC, fused.  
If only one plug is used, insulate the other with a bag or electrical tape.

The indicator light will flash when there is enough power (>10 volts) to operate the equipment. If you unplug the battery, the light will still flash if power is available from the solar panel. If you shade or disconnect the solar panel, the light will flash if power is available from the battery. The light flashes about once every two seconds when the battery is fully charged, and slows down to once every 3 seconds when low, and stops flashing below 9 volts.