

**2.2.2 Adjusting the Float Voltage****NOTE**

**DO NOT CONNECT THE BATTERIES** to the charger.

1. Make sure the remote temperature sensor cable is disconnected from charger at this time. (This preliminary step is required in order to adjust the float voltage.)
2. Verify that the two jumper wires are connected between the remote voltage terminals and the DC output terminals.
3. Connect a DC voltmeter to charger output terminals.
4. Turn ON AC main power. Then wait for output voltage to stabilize.
5. Calculate what the correct output float voltage should be by taking the battery manufacturers recommended per cell float voltage and multiplying by the number of cells.

For example: The desired output float voltage is 1.53 volts per cell for nine nickel cadmium cells:  $1.53 \times 9 = 13.77$  volts.

6. Adjust the float voltage as follows:
  - a. Locate the potentiometer labeled "Float Voltage Adjust."
  - b. Turn the potentiometer clockwise to increase the float voltage.
  - c. Or, turn the potentiometer counterclockwise to decrease the float voltage.
7. Turn OFF AC main power.
8. Connect the temperature sensor cable to its connector.

**NOTE**

Before connecting the battery terminals to the battery charger, make sure the polarity is correct.

9. Connect the batteries to the battery terminals on the charger.
10. Turn ON AC main power. The ammeter will indicate the load current.