ZM6 Set up

It is suggested that you start this process with fully charged batteries. This will provide a stable platform for setting the ZM6 'set voltage'.
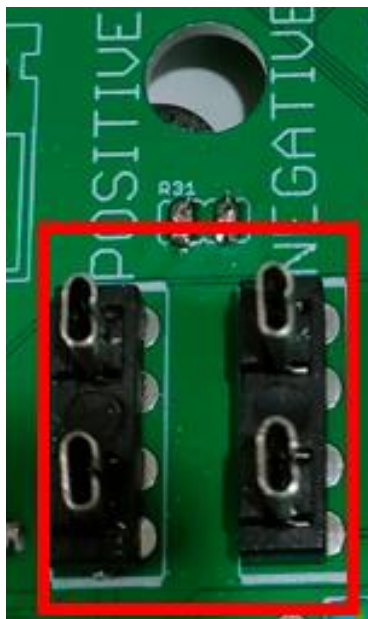
The charge voltage is factory set to (29.2v) 14.7 volts Absorption and (27.8v) 13.8 volts Float and the overvoltage is set to (30.5v) 15.5 volts. All set with a 5 -10 amp load You will need to fine tune the adjustments to take care of voltage drops in your own installation as they do vary.

Note: Before powering up the unit the ZM6 board must be configured for the correct voltage and correct alternator field polarity as follows:

1/ Remove the top cover of the ZM6 by removing the four screws.

2/ **NOTE; Do not touch any of the Integrated circuit (ICs) as static electricity on your hands could damage the chip**

3/ With the spade terminals facing the bottom, and looking at the board there are two jumpers on the bottom right corner. For 12volt operations the jumpers should be ON. For 24-volt operations the jumpers must be removed.

ZM6 Set up, continued.

4/On the top left side there are two fuse holders being Left side for positive switching alternators and the right-hand fuse holder is for negative switching alternators.

NOTE: Only One fuse should be in at any one time, failure to adhere to this will short circuit the output stage.

5/ We suggest you carry a spare mini blade fuse of a 5-amp value

6/ Start engine and immediately select FLOAT by pressing float switch (5), then adjust lower float voltage to desired setting by adjusting Volt Adjustment potentiometer (14), wait for voltage to stabilise and fine tune as required.

7/ Press Absorption switch (2) and adjust upper voltage to Absorption voltage by means of the Ratio adjuster (4) to the desired setting, let stabilise

8/ Whilst at Absorption voltage, adjust overvoltage (7) setting to 5.95 to 6.0 volts (8)

9/ refit top cover and then the unit is ready for service.

Note: all screw adjustments are Clockwise to increase, Counter clockwise to decrease.