

## MX Set-Up Instructions

There are two different ways to set up the MX. The first one allows it to find the maximum powerpoint, the second one allows you to adjust it to the maximum powerpoint.

Unfortunately, the MX has to see a constant voltage for a few seconds before it will "wake up" or connect.

Once you are ready to test it, open the valve until you are producing more than 50 Volts. Keep the flow constant until you hear the motor load up. This means the MX has connected and you can now open the other valves.

### Method 1:

Enter the Optimize or Advanced Menu and change the sweep from Half-Sweep to Full-Sweep. This is all that is necessary, although changing the Park Point from 77% down to 60% will help it find the MaxPP faster, especially, if you have pressure less than 50psi.

### Method 2:

This method stops the MX sweeping.

Enter the Optimize or Advanced Menu. Set Sweep Intervals to 0. Change Auto-Sweep to U-Pick.

Enter Log 2 and set Auto-Sweep to 0.

Now, once the MX is hooked up, you can raise or lower the voltage with keys 3 and 4 until you get the maximum wattage. Do not drag the voltage below battery voltage. This will initiate a sweep.

Both these methods require that the open circuit voltage of the hydro remain below 150V, above which the MX will be destroyed. If you have more than 100psi on a LV1200 - 48V system, your open circuit voltage may exceed 150V, in which case you have to use a high-voltage clamp or a 48V array parallel with the input of the hydro. The array has to be large enough to dissipate the hydro power in the open circuit situation.