



# WW10123W POWER MODULE



## SINGLE PHASE 12V 160 WATT RECTIFIER - REGULATOR FOR LUCAS 120 WATT AND ALTON 150 WATT ALTERNATORS

Economical replacement for Lucas rectifier and zener diode which works with either negative or positive earth

### Instructions for installing the Wassell power module

1. Disconnect the ground wire from your battery. Check if your system is positive or negative ground
2. Locate and remove the zener diode pack as you will no longer need it (it's gold coloured)
3. Locate and remove the selenium rectifier. You no longer need this either
4. There should be 3 wires connected to the rectifier. The green/white and green/yellow go to the alternator stator. The 'hot' wire is usually brown/white. This goes to the hot side of the battery
5. Connect these two wires to the 2 yellow wires on the rectifier/regulator
6. Mount the power module in an area of free air circulation (not inside an enclosed area)  
Note: the heat sink is electrically isolated and does not have to be grounded
7. If your system is positive earth, connect the red wire to ground and the black wire to output
8. If your system is negative earth, connect the black wire to ground and the red wire to output  
Note: Be sure you have the polarity correct otherwise you will damage the regulator
9. Check all connections are correct and reconnect the ground wire to the battery

### 6 volt to 12 volt conversion

If you have an early bike with a 6 volt, 3 wire alternator (Lucas 47207) this can be converted to 12 volt

1. Connect the green/yellow and green/black wires together. They now become one leg of your system
2. The white/green wire is the other leg of your system
3. Connect each leg to the yellow wires on the rectifier/regulator

Note: Be sure to change the battery and all light bulbs to 12 volt

