

# PS138-V3 13.8VDC 1AMP Power Module



This module is a general purpose DC power supply module for use with a standard 16 to 18VAC plug pack. Provision has been made for connection of a Sealed Lead Acid (SLA) battery via the supplied leads which will be trickle charged by the module. A RED LED is provided to indicate the presence of AC power, and a GREEN LED indicates that the fuse is OK and DC power is available at the terminals. Four adhesive standoffs (6.35mm high) are provided to mount the module in an enclosure. This module is supplied with TWO (2) M205 fast blow fuses. If a backup SLA battery is connected via the battery leads which are connected to B+ and B- then install the 5A fuse. The module is capable then of supplying up to FOUR (4) amps MAXIMUM for **short** periods. If no battery is connected then the 1.5A fuse **MUST** be fitted. Failure to use the correct fuse may damage this power supply and/or the equipment that it is powering. The maximum current available without a backup battery is 1 AMP. If no battery is connected and currents in excess of 500mA are drawn for extended periods then the heatsink will get quite HOT. This is normal. This version of our supply uses a larger heatsink to reduce heat and improve performance.

**If the module is running HOT then it is important to ensure surrounding equipment cannot be damaged by the heat from the heatsink.**

The trimpot P1 can be used to adjust the output voltage. DO NOT set the output voltage below 12VDC as heat generated will increase to unacceptable levels IF currents above 500mA are drawn. To charge a SLA battery the output **MUST** be 13.5 to 13.8VDC.

Input voltage	16 to 18VAC 1.5 Amp
Output voltage	12 to 13.8VDC 1 Amp adjustable
Battery	up to 7AH Sealed Lead Acid.
Fuses	1.5A and 5A M205 fast blow supplied
Dimensions	105mm (L) x 90mm (W) x 30mm (H)
Weight	133 grams

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