

## SPECIFICATIONS & INSTRUCTIONS

# MOOSE

### APPLICATION

The industry favorite, has been improved to include 6, 12 and 24 volt capability, eliminating the need to stock 3 products. A special jumper allows the selection of either 6 or 12 volt operation. The 24 volt output is active when a switch has been selected. Complete units are shipped with jumpers intact and with the appropriate battery and transformers.

### SPECIFICATIONS

- ❑ Dimensions: 2.5" x 4.0"
- ❑ Operating Temperature: -30° to +50° C
- ❑ Regulated Output:
  - 24Volt (27.6VDC)
  - 12 Volt (13.8 VDC)
  - 6 Volt (6.90 VDC)
- ❑ Primary Input :
  - 24 VDC Operation 30 VAC, 30 VA transformer
  - 12 VDC Operation 16.5 VAC, 35 VA transformer
  - 6 VDC Operation 12 VAC, 20 VA transformer
- ❑ Fused Output: 2.5 amps
- ❑ Max. AC ripple under load: 50mV
- ❑ Output :
  - 6 VDC 600mA continuous
  - 12 or 24 VDC 1.25 A continuous

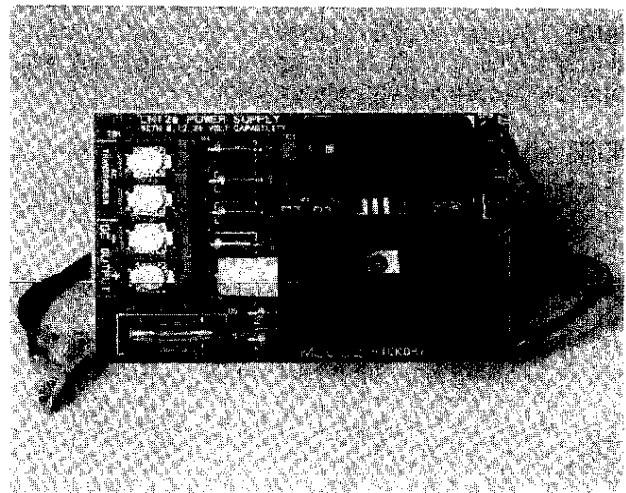
### FEATURES

- ❑ Precision Voltage Regulation
- ❑ MOV Lightning / Transient protection
- ❑ Bell Transient Protection
- ❑ Adhesive Foam Mounting
- ❑ Automatic Switch over to Standby Battery
- ❑ Sealed Lead Acid Battery Operation
- ❑ Easy Quick-Lock Screw terminals
- ❑ Full Overload Protection

### OPTIONS

The following packages are available:

- ❑ CH12A Board Only (with 6, 12 and 24 Volt capability).
- ❑ CH-12AC- Complete Power Supply (with 12 volt, 6AH battery and 16.5,35 VA transformer).
- ❑ CH-6AC- Complete Power Supply (with 6 volt, 4AH battery and 12 volt, 20 VA transformer).



## INSTRUCTIONS

1. Select proper voltage. Board is factory set at 12 volts. For 6 volt operation, cut jumper J-1. For 24 volt operation, do not cut jumper J-1. Close switch SW-1.
2. Connect the AC transformer to the terminals marked "XFMR". No polarity need be observed in the transformer hook-up. The 6 volt board uses a 12V AC 20VA transformer, the 12 volt board uses a 16.5V AC 35VA transformer. For 24 volt operation the minimum input requirement is 30 V AC, 30VA transformer. (This item is customer sourced).
3. Connect the battery "Plus" and "Minus" terminals to the (+) red and (-) black wires respectively.
4. Regulated DC voltage output to external equipment is available at the terminals marked (+) and (-) DC output.
5. The power supply / Charger Board can be mounted to the battery (size permitting) or control box with the double sided tape on the back of the board. Be careful not to cover the vents.

**NOTE:** Should additional AC ripple filtering be necessary, connect at least a 2200 mf , 50V DC electrolytic capacitor to the output terminals. Observe polarity on the capacitor.

**NOTE:** For 24 volt operation it is acceptable to series two (2) 12V, 6 AH batteries together.

PRELIMINARY

