# Battery Eliminator Power Supply

# Instruction Manual

## Model XP-100

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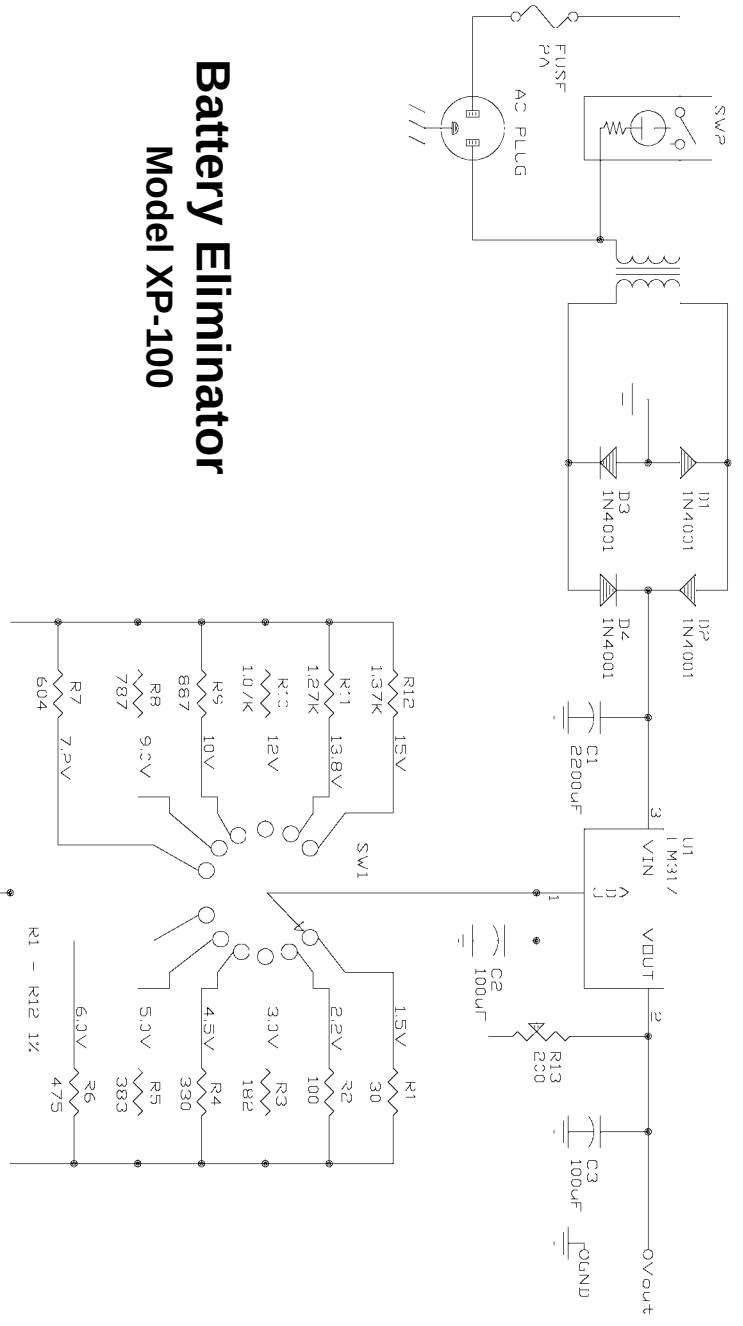
## SCHEMATIC DIAGRAM

### Battery Eliminator
### Model XP-100



## INTRODUCTION

The XP-100 is a solid state DC power supply designed to give the most popular battery voltages. Voltages are precisely set by using 1% resistors. A special IC circuit keeps the output voltage within .2V of setting when going from no load to one ampere. The output is fully protected from short circuits and overloads.

## OPERATING INSTRUCTIONS

1. Check the voltage rating of the equipment to be powered. Care must be taken not to exceed the rating.

2. Plug the line cord into a 120V 60Hz AC outlet.

3. Adjust the voltage control to the desired voltage. Load variation will have practically no effect on the voltage setting due to the special regulation circuit.

4. Connect the positive lead of your equipment to the red output terminal and the negative lead to the black terminal.

5. Care must be taken not to exceed the current rating, as the supply will turn itself off if overloaded.

## SPECIFICATIONS

| | |
|---|---|
| Input Voltage | 120VAC |
| Output Voltages | 1.5, 2.2, 3, 4.5, 5, 6, 7.2, 9, 10, 12, 13.8, 15 volts DC. |
| Accuracy | ±5% |
| Output Current | 1 Amp max. |
| Line Regulation | 105V to 135V |
| Load Regulation | .2V(max) 0-1Amp |
| Ripple Max. | .005V RMS at rated current |
| DC Current / Short Protection | IC thermal cutoff |
| AC Short Protection | 2A Fuse |
| Output Impedance | .025Ω |

## TWO YEAR WARRANTY

All Elenco models are guaranteed for two full years on all parts and service. For the first 3 months, your power supply is covered at absolutely no charge. For the remaining 21 months, a nominal service charge is required to cover shipping and handling.

**When returning merchandise for repair, please include proof of purchase, a brief letter of explanation of problem, and sufficient packing material. Before returning any merchandise please call our service department at (847) 541-3800 to obtain a return authorization number (RMA).**