**SPECIFICATIONS: LINEAR POWER SUPPLY IP500U36 MADE IN THE U.S.A.**

### VAC INPUT:
- 120/240VAC, +/-10% (PRIMARY TAPS PROVIDED)
- FREQUENCY RANGE: 47-63HZ

### UNREGULATED VDC OUT@ NOMINAL LINE
- 36.1 VDC @ 13.3 AMP FULL LOAD
- 38.2 VDC @ HALF LOAD
- 42.8 VDC @ 0 AMP

### DC CONNECTIONS:
- +OUT 0.250x0.032 FAST-ON AT FUSE BLOCK
- -OUT(DC-RETURN)10-32-SCREW/SOLDER TERMINAL AT MINUS SIDE OF THE CAPACITOR

### LINE REGULATION:
- EQUAL TO % LINE CHANGE

### SHORT CIRCUIT PROTECTION:
- OUTPUT FUSED @ 15 AMP

### EFFICIENCY (TYPICAL):
- 75% TO 80% FULL LOAD

### VAC JUMPERING AND FUSING REQUIREMENTS:
- SILKSCREENED ON CHASSIS FOR TRANSFORMER PRIMARY TERMINALS

<table>
<thead>
<tr>
<th>USE AT:</th>
<th>108VAC</th>
<th>120VAC</th>
<th>132VAC</th>
<th>216VAC</th>
<th>240VAC</th>
<th>264VAC</th>
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<tbody>
<tr>
<td>Jumper</td>
<td>185,2&amp;6</td>
<td>185,3&amp;7</td>
<td>185,4&amp;8</td>
<td>285</td>
<td>3&amp;5</td>
<td>4&amp;5</td>
</tr>
<tr>
<td>Apply AC</td>
<td>1&amp;2</td>
<td>1&amp;3</td>
<td>1&amp;4</td>
<td>2&amp;5</td>
<td>3&amp;5</td>
<td>4&amp;5</td>
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<tr>
<td>MaxCurrent/FuseRating</td>
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<td>8A</td>
<td>8A</td>
<td>4A</td>
<td>4A</td>
<td>4A</td>
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**CAUTION! NOT TO BE USED WITH IEC127 STYLE FUSE. USE ONLY AMERICAN AGC TYPE**

### OUTPUT RIPPLE:
- AT FULL LOAD 3% RMS MAXIMUM

### TEMPERATURE RATINGS:
- OPERATING: 0°C TO 55°C FULL RATED
- DERATED LINEARLY TO 40% @ 70°C
- STORAGE: -40°C TO + 95°C

### VIBRATION:
- MIL-STD-810G, METHOD 514.6, CATEGORY 1, PROCEDURE 1
- RANDOM VIBRATION 10Hz - 2KHz, 6.15 grams (3 axis)

### SHOCK:
- MIL-STD-810G, METHOD 516.6, PROCEDURE III
- OPERATING: 20 GPK

### OUTPUT REGULATION @ NOMINAL LINE
- 9% FOR A 50% TO 100% LOAD CHANGE
  (DERATE OUTPUT CURRENT 10% FOR 58 HZ OPERATION)

### MTBF:
- 1,800,000 HRS. CALCULATED PER MIL-HDBK-217F/25°C/GROUND BENIGN

### EMI/RFI:
- INHERENT LOW CONDUCTED AND RADIATED NOISE LEVELS.
  - EMI: FCC CFR TITLE 47 PART 15 SUB-PART B
  - RFI: EN55022/CISPR22-LEVEL B COMPATIBILITY

### VIBRATION:
- MIL-STD-810G, METHOD 514.6, CATEGORY 1, PROCEDURE 1
- RANDOM VIBRATION 10Hz - 2KHz, 6.15 grams (3 axis)

UL recognized for US and Canada – File#E133338/ CE Mark: LVD 92/59/EEC/ RoHs-5 Lead in Solder Exemption
US and Canadian(Bi-National) standards: ANSI/UL 60950-1/-21; CAN/CSA C22.2 #60950-1/-21; IEC 60950-1
CASE SIZE: IP500U

IP500U Case
Overall Size: 9.00" x 5.62" x 4.62"
228.60mm x 142.75mm x 117.35mm
Weight 18 lbs.

Note:
③ Optional location for additional Rectifier

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<table>
<thead>
<tr>
<th>INCH</th>
<th>mm</th>
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<tbody>
<tr>
<td>A</td>
<td>228.6</td>
</tr>
<tr>
<td>B</td>
<td>209.55</td>
</tr>
<tr>
<td>C</td>
<td>9.40</td>
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<tr>
<td>D</td>
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<tr>
<td>L</td>
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Mouser Electronics

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International Power:
IP500U36