**SPECIFICATIONS: LINEAR POWER SUPPLY IP500U12 MADE IN THE U.S.A.**

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

**UNREGULATED VDC OUT@NOMINAL LINE**
- 12.5 VDC @ 30 AMP (FULL LOAD)
- 13.3 VDC @ HALF LOAD
- 15.0 VDC @ 0 AMP

**DC CONNECTIONS:**
- +OUT 0.250x0.032 FAST-ON AT FUSE BLOCK
- -OUT (DC RETURN) SOLDER TERMINAL @ MINUS SIDE OF THE CAPACITOR

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

**OUTPUT RIPPLE:** 3.0 VDC PK-PK 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, PROCEDURE1
- RANDOM VIBRATION 10Hz - 2KHz, 6.15 grams (3 axis)

**SHORT CIRCUIT PROTECTION:**
- OUTPUT FUSED @ 25 AMP

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

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

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

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

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

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**VAC JUMPERING AND FUSING REQUIREMENTS:**

<table>
<thead>
<tr>
<th>Use At</th>
<th>Jumper</th>
<th>108VAC</th>
<th>120VAC</th>
<th>132VAC</th>
<th>216VAC</th>
<th>240VAC</th>
<th>264VAC</th>
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<tr>
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CAUTION! NOT TO BE USED WITH IEC127 STYLE FUSE. USE ONLY AMERICAN AGC TYPE

**MaxCurrent/FuseRating:**
- 6A 6A 6A 3A 3A 3A

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900 GRAVES AVENUE * OXNARD, CA 93030 * PHONE: 805-981-1188 * EMAIL: powersales@internationalpower.com
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:
2 Optional location for additional Rectifier

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<tr>
<th>INCH</th>
<th>mm</th>
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<tbody>
<tr>
<td>A</td>
<td>228.6</td>
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<tr>
<td>B</td>
<td>209.55</td>
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<tr>
<td>C</td>
<td>9.40</td>
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<td>D</td>
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<td>95.25</td>
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<td>K</td>
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<td>L</td>
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