### Features:
- AC input range selectable by switch
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 25KHz
- 2 years warranty

## Specification

### Input
- **Voltage Range**: 88 ~ 132VAC/176 ~ 264VAC selected by switch
- **Frequency Range**: 47 ~ 63Hz
- **Efficiency (Typ.)**: 78%
- **AC Current (Typ.)**: 3.2A/115VAC, 1.6A/230VAC
- **Inrush Current (Typ.)**: COLD START 35A
- **Leakage Current**: <3.5mA / 240VAC

### Protection
- **Overload**: 105 ~ 150% rated output power
  - Protection type: Shut down o/p voltage, re-power on to recover
- **Over Voltage**: 5.75 ~ 6.75V 8.83 ~ 10.15V 10.35 ~ 12.2V 13.8 ~ 16.2V 15.53 ~ 18.2V 17.25 ~ 20.3V 21 ~ 24V 24 ~ 30V 24V
  - Protection type: Shut down o/p voltage, re-power on to recover

### Environment
- **Working Temp.**
  - -10 ~ +60°C (Refer to "Derating Curve")
- **Working Humidity**: 90% RH non-condensing
- **Storage Temp. & Humidity**: -20 ~ +85°C, 10 ~ 95% RH
- **Temp. Coefficient**: ±0.03%/°C (0 ~ 50°C)
- **Vibration**: 10 ~ 500Hz, 2G 10min./cycle, 60min. each along X, Y, Z axes

### Safety & EMC
- **Safety Standards**: UL1012, UL60950-1, TUV EN60950-1, CCC GB4943 approved
- **Isolation Resistance**: I/P-O/P: 3kVAC I/P-FG: 1.5kVAC O/P-FG: 0.5kVAC
- **EMC Emission**: Compliance to EN55022 (CISPR22) Class B, EN61000-3-2, -3
- **EMC Immunity**: Compliance to EN61000-4-2, -4, -5, -8, -11, EN55024, light industry level, criteria A

### Others
- **MTBF**: 286.7k hrs min.
- **Dimension**: 199*110*50mm (L*W*H)
- **Packing**: 0.8kg, 16pcs/13.8kg/1.9CUFT

### Notes
1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)
5. If the power supply is short-circuited under no load, it will recover automatically when short-circuit is removed.
**Mechanical Specification**

Case No. 906  Unit:mm

**Derating Curve**

**Static Characteristics (24V)**

**Block Diagram**

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**Terminal Pin No. Assignment**

<table>
<thead>
<tr>
<th>Pin No.</th>
<th>Assignment</th>
<th>Pin No.</th>
<th>Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AC/L</td>
<td>4,5</td>
<td>DC OUTPUT -V</td>
</tr>
<tr>
<td>2</td>
<td>AC/N</td>
<td>6,7</td>
<td>DC OUTPUT +V</td>
</tr>
<tr>
<td>3</td>
<td>FG</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

fosc: 25KHz

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**S-150-5~12 CONVECTION**

**S-150-15~48 CONVECTION**

**S-150-5~12 FORCED AIR**

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**Load (%)**

**Input Voltage (V) 50Hz**

**Output Voltage (V)**

**Output Ripple (mVp-p)**

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**Ambient Temperature (°C)**

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**Output Voltage (V)**

**Input Voltage (V) 50Hz**

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**Block Diagram**

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**File Name:** S-150-SPEC  2011-08-23