## Specification

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>RSP-150-3.3</td>
<td>3.3V</td>
<td>30A</td>
<td>0 - 30A</td>
<td>96W</td>
<td>100mVp-p</td>
<td>10mV</td>
<td>1.3</td>
<td>±2.0%</td>
<td>±2.0%</td>
<td>600ms, 30s at full load</td>
<td></td>
</tr>
<tr>
<td>RSP-150-5</td>
<td>5V</td>
<td>30A</td>
<td>0 - 30A</td>
<td>150W</td>
<td>100mVp-p</td>
<td>10mV</td>
<td>1.3</td>
<td>±2.0%</td>
<td>±2.0%</td>
<td>60s at full load</td>
<td></td>
</tr>
<tr>
<td>RSP-150-7.5</td>
<td>7.5V</td>
<td>20A</td>
<td>0 - 20A</td>
<td>150W</td>
<td>100mVp-p</td>
<td>10mV</td>
<td>1.3</td>
<td>±2.0%</td>
<td>±2.0%</td>
<td>45s at full load</td>
<td></td>
</tr>
<tr>
<td>RSP-150-12</td>
<td>12V</td>
<td>12.5A</td>
<td>0 - 12.5A</td>
<td>150W</td>
<td>100mVp-p</td>
<td>10mV</td>
<td>1.3</td>
<td>±2.0%</td>
<td>±2.0%</td>
<td>35s at full load</td>
<td></td>
</tr>
<tr>
<td>RSP-150-15</td>
<td>15V</td>
<td>10A</td>
<td>0 - 10A</td>
<td>150W</td>
<td>100mVp-p</td>
<td>10mV</td>
<td>1.3</td>
<td>±2.0%</td>
<td>±2.0%</td>
<td>25s at full load</td>
<td></td>
</tr>
<tr>
<td>RSP-150-27</td>
<td>27V</td>
<td>6.3A</td>
<td>0 - 6.3A</td>
<td>150W</td>
<td>100mVp-p</td>
<td>10mV</td>
<td>1.3</td>
<td>±2.0%</td>
<td>±2.0%</td>
<td>15s at full load</td>
<td></td>
</tr>
<tr>
<td>RSP-150-48</td>
<td>48V</td>
<td>3.2A</td>
<td>0 - 3.2A</td>
<td>150W</td>
<td>100mVp-p</td>
<td>10mV</td>
<td>1.3</td>
<td>±2.0%</td>
<td>±2.0%</td>
<td>5s at full load</td>
<td></td>
</tr>
</tbody>
</table>

### Features:
- Universal AC input / Full range
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit
- 1U low profile 30mm
- Remote ON-OFF control
- LED indicator for power on
- 100% full load burn-in test
- 3 years warranty

### Input
- Voltage Range: 85 ~ 264VAC 120 ~ 370VDC
- Frequency Range: 47 ~ 63Hz
- Power Factor (Typ.): PF>0.93/230VAC PF>0.98/115VAC at full load
- Efficiency (Typ.): 81.5% 88.5% 89% 89.5% 90%
- AC Current (Typ.): 1.6A/115VAC 0.8A/230VAC
- Inrush Current (Typ.): COLD START 45A/230VAC
- Leakage Current: <2mA/240VAC

### Protection
- Overload: 105 ~ 135% rated output power
- Over Voltage: 3.63 ~ 4.4V/5.5 ~ 6.75V/6.25 ~ 10.13V/13.2 ~ 16.2V/14.85 ~ 18.15V/16.5 ~ 20.25V/26.4 ~ 32.4V/29.7 ~ 36.45V/52.8 ~ 64.8V
- Over Temperature: 100°C; 5°C (TSW1) detect on main power transformer for 3.3V ~ 7.5V; 105°C; 5°C (TSW1) detect on main power transformer for others

### Function
- Remote Control: CN1: <0.8VDC POWER ON, >4VDC POWER OFF
- Working Temp.: -30 ~ +70°C (Refer to “Derating Curve”)
- Working Humidity: 20 ~ 90% RH non-condensing
- Storage Temp., Humidity: -20 ~ +85°C, 10 ~ 95% RH
- Temp. Coefficient: ±0.05%/°C (0 ~ 50°C)
- Vibration: 10 ~ 500Hz, 2G, 10min./cycle, 60min. each along X, Y, Z axes

### Safety & EMC
- Safety Standards: UL60950-1, UL62368-1, TUV EN60950-1, EN61558-1, EN61558-2-16, CCC, GB4934 approved
- Withstand Voltage: IP-IP: 3.75kVAC IP-PG: 2kVAC O/P-PG: 0.5kVAC
- EMC Emission: Compliance to EN55022 (CISPR22) Class B, EN61000-3-2, GB9254 class B
- EMC Immunity: Compliance to EN61000-4-2, 3.4.5, 6, 8, 11, EN55024, light industry level, criteria A

### Others
- MTBF: 290.7k hrs min. MIL-HDBK-217F (25°C)
- Dimension: 189*95*30mm (L*W*H)
- Packing: 0.6Kg; 24pcs/15kg; 0.92CUFT

### Note
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 of bandwidth by using a 12” twisted pair-wire terminated with a 0.1uf & 47uf of 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. Derating may be needed under low input voltages. Please check the derating curve for more details.