**65W Dual Output Switching Power Supply**

**RD-65A**

- **Voltage Adjust. Range**: 12V (0.3 ~ 8A +4%, -6%)

- **Ripple & Noise (max.)**: 80mVp-p

- **Ripple & Noise (max.)**: 120mVp-p

- **Ripple & Noise (max.)**: 80mVp-p

- **Ripple & Noise (max.)**: 150mVp-p

- **Voltage Adj. Range**: CH1: 4.75 ~ 5.5V

- **Voltage Adj. Range**: CH2: 3.3 ~ 5.3V

- **Model**: RD-65A

- **Features**:
  1. Universal AC input / Full range
  2. Protections: Short circuit / Overload / Over voltage
  3. Cooling by free air convection
  4. LED indicator for power on
  5. 100% full load burn-in test
  6. All using 105°C long life electrolytic capacitors
  7. Withstand 300VAC surge input for 5 second
  8. High operating temperature up to 70°C
  9. Withstand 5G vibration test
  10. High efficiency, long life and high reliability
  11. 3 years warranty

**INPUT**

- **Voltage Range**: 88 ~ 264VAC, 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)

- **Frequency Range**: 47 ~ 63Hz

- **Efficiency (Typ.)**: 79%

- **Efficiency (Typ.)**: 78%

- **AC Inrush Current (Typ.)**: 2A/115VAC, 1.2A/230VAC

- **Leakage Current**: <2mA / 240VAC

**PROTECTION**

- **Overload**: 110 ~ 150% rated output power
- **Protection type**: Hiccup mode, recovers automatically after fault condition is removed

- **Over Voltage**: CH1: 5.75 ~ 6.75V
- **Protection type**: Hiccup mode, recovers automatically after fault condition is removed

- **Working Temp.**: -25~+70°C (Refer to "Derating Curve")
- **Working Humidity**: 20 ~ 90% RH non-condensing

**ENVIRONMENT**

- **Storage Temp., Humidity**: -40 ~ +85°C, 10 ~ 95% RH
- **Temp. Coefficient**: ±0.03%/°C (0 ~ 50°C) on +5V output
- **Vibration**: 10 ~ 500Hz, 5G 10min./cycle, period for 60min. each along X, Y, Z axes

**SAFETY & EMC (Note 7)**

- **Safety Standards**: UL60950-1, TUV EN60950-1 approved
- **Withstand Voltage**: I/P:O/P:3KVAC, I/P-FG:2KVAC, O/P-FG:0.5KVAC
- **Isolation Resistance**: I/P-O/P:100M Ohms / 500VDC / 25°C, 70% RH
- **EMC Emission**: Compliance to EN55032 (CISPR32) Class B, EN61000-3-2, -3
- **EMC Immunity**: Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A

**OTHERS**

- **MTBF**: 265.9khrs min.
- **Dimension**: 129*98*38mm (L*W*H)
- **Packaging**: 0.44Kg, 30pcs/14.2Kg/0.72CUFT

**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 parallel capacitor.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. Line regulation is measured from low line to high line at rated load.
5. Load regulation is measured from 20% to 100% rated load, and other output at 60% rated load.
6. Each output can work within current range. But total output power can’t exceed rated output power.
7. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. 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)
## Mechanical Specification

### Derating Curve

<table>
<thead>
<tr>
<th>INPUT VOLTAGE (VAC) 60Hz</th>
<th>LOAD (%)</th>
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</thead>
<tbody>
<tr>
<td>88</td>
<td>90</td>
</tr>
<tr>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>95</td>
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<td>160</td>
<td>40</td>
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<td>140</td>
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<td>20</td>
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<td>180</td>
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<tr>
<td>220</td>
<td></td>
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<tr>
<td>264</td>
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### AMBIENT TEMPERATURE (°C)

<table>
<thead>
<tr>
<th>LOAD (%)</th>
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<tbody>
<tr>
<td>-25</td>
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<tr>
<td>0</td>
</tr>
<tr>
<td>10</td>
</tr>
<tr>
<td>20</td>
</tr>
<tr>
<td>30</td>
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<tr>
<td>40</td>
</tr>
<tr>
<td>50</td>
</tr>
<tr>
<td>60</td>
</tr>
<tr>
<td>70 (VERTICAL)</td>
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