**FEATURES**

- Complies with Flex ATX & ATX12V Standards
- Meets 1U Height Constraints
- Active PFC Meets EN 61000-3-2
- 80Plus Bronze High Efficiency
- Remote On/Off Control
- High Reliability

**INPUT SPECIFICATIONS**

- Input Voltage Range: 90~264 VAC
- Input Frequency: 47~63Hz
- Input Current: 4A max. @ 115 VAC, 60Hz
- Inrush Current: 50A @ 115 VAC, 80A @ 230 VAC, at 25°C cold start
- Earth Leakage Current: 155µA Typ. @ 264 VAC, 60Hz

**OUTPUT SPECIFICATIONS**

- Output Power Ratings: See Rating Chart
- Load & Line Regulation: See Rating Chart
- Ripple & Noise: See Rating Chart
- Hold-up Time: 14ms min. at full load and nominal input voltage
- Over Power Protection: 150% max.
- Overcurrent Protection: On +3.3V, +5V & +12V
- Overvoltage Protection: +3.3V .... 3.7~4.5V, +5V .... 5.7~6.5V, +12V .... 13.3~15.5V
- Power Turn-on Signal Delay: 100~500ms
- Power Fail Signal Delay: 1ms min.
- Temperature Coefficient: 0.01%/°C max.

**OUTPUT VOLTAGE & CURRENT RATING CHART**

<table>
<thead>
<tr>
<th>Output Voltage</th>
<th>Minimum Load</th>
<th>Maximum Load</th>
<th>Load Regulation</th>
<th>Line Regulation</th>
<th>Ripple &amp; Noise P-P (Max.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>+3.3V</td>
<td>0.3A</td>
<td>12A</td>
<td>±5%</td>
<td>±1%</td>
<td>50mV</td>
</tr>
<tr>
<td>+5V</td>
<td>0.5A</td>
<td>14A</td>
<td>±5%</td>
<td>±1%</td>
<td>50mV</td>
</tr>
<tr>
<td>+12V</td>
<td>1A</td>
<td>18A</td>
<td>±5%</td>
<td>±1%</td>
<td>120mV</td>
</tr>
<tr>
<td>-12V</td>
<td>0A</td>
<td>0.3A</td>
<td>±10%</td>
<td>±2%</td>
<td>120mV</td>
</tr>
<tr>
<td>-5V</td>
<td>0A</td>
<td>0.3A</td>
<td>±10%</td>
<td>±2%</td>
<td>100mV</td>
</tr>
<tr>
<td>+5Vsb</td>
<td>0A</td>
<td>2.5A</td>
<td>±5%</td>
<td>±1%</td>
<td>50mV</td>
</tr>
</tbody>
</table>

*Maximum load for +3.3V and +5V is 80W with overall output limited to 250W.
**+3.3V, +5V and +12V will have ±10% regulation with all loads removed.

**GENERAL SPECIFICATIONS**

- Efficiency: 82% minimum at full load
- Withstand Voltage: 1,500 VAC, input to ground
- Operating Temperature: 0°C to +50°C, no derating
- Storage Temperature: -20°C to +80°C
- Relative Humidity: 85% to 95% non-condensing
- MTBF: 205K hours minimum at full load, 25°C ambient, calculated per MIL-HDBK-217F
- Dimensions: 81.5*40.5*190 mms

**STANDARDS & COMPLIANCES**

- EMC: EN 60601-1-2
- Emissions: EN 55011, CISPR 11, FCC Class B conducted & radiated
- Immunity: EN 61000-3-2, EN 61000-4-2, EN 61000-4-3, EN 61000-4-5, EN 61000-4-11
- Safety Standards: IEC/EN/UL 60601-1, 3rd Edition
- Agency Approvals: UL, cUL, TUV, CB, CE
- Other Standards: RoHS, EuP
MECHANICAL SPECIFICATIONS

Notes:
Unit: mm
Customized output cable sets available upon request.