FEATURES

- Complies with Flex ATX Standard
- Meets 80PLUS Silver Efficiency Level
- Active PFC meets EN 61000-3-2 Standard
- Remote ON/OFF Function
- 2,000 Meters Operating Altitude
- Approved to UL/IEC/EN 60950-1 2nd Edition

INPUT SPECIFICATIONS

Input Voltage Range .................. 90-264 VAC
Input Frequency ....................... 47-63Hz
Input Current .......................... 3A rms max. @ 115 VAC
......................................... 1.5A rms max. @ 230 VAC
Earth Leakage Current .................. 350µA max. @ 264 VAC, 50Hz

OUTPUT SPECIFICATIONS

Output Power Ratings ................ See rating chart
Load Regulation ....................... See rating chart
Ripple & Noise* ....................... See rating chart
Hold-up Time .......................... 16ms min. @ 115/230 VAC
Rise Time ............................... 20ms max. @ 115/230 VAC
Over Voltage Protection, +3.3V .. 3.7-4.8V
......................................... +5V ...... 5.7-7V
......................................... +12V .... 13.3-16V
Over Current Protection, +3.3V .. 50mV p-p
......................................... +5V ...... 50mV p-p
......................................... +12V .... 120mV p-p
......................................... +5Vsb . 50mV p-p
Short Circuit Protection ............. On all outputs, Load of less
than 0.1 ohm
Temperature Coefficient ............. ±0.04%/°C max.

* Measured with 20MHz bandwidth at rated line voltage and output load ranges,
with a 10µF tantalum capacitor in parallel with a 0.1µF ceramic disk capacitor
across the output connector.

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>Ripple &amp; Noise VP-P Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>+3.3V</td>
<td>0.1A</td>
<td>10A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+5V</td>
<td>0.2A</td>
<td>14A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+12V</td>
<td>0.6A</td>
<td>10A</td>
<td>±5%</td>
<td>120mV</td>
</tr>
<tr>
<td>-12V</td>
<td>0A</td>
<td>0.3A</td>
<td>±10%</td>
<td>120mV</td>
</tr>
<tr>
<td>+5Vsb</td>
<td>0A</td>
<td>2.5A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
</tbody>
</table>

* The overall output power is 180W maximum.
* The total output power for +3.3V & +5V is 80W maximum.

EMI/EMC............................. FCC & CISPR 22, Class B conducted
................................................................. FCC & EN 55022, Class B radiated
Safety Standards ................... UL/IEC/EN 60950-1 2nd Edition
Agency Approvals .................. UL, cUL, TUV, CB, CE, CCC
Other Compliance .................. 80PLUS, RoHS, EuP Lot 6:2013

MECHANICAL SPECIFICATIONS

Notes:
1. Dimensions in mm.
2. Customized cable set available upon request.