FEATURES

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

INPUT SPECIFICATIONS

Input Voltage Range ................... 90-264 VAC
Input Frequency .......................... 47-63Hz
Input Current ............................... 7A rms max. @ 115 VAC
.................................................... 3.5A 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 ............................. 17ms min. @ 115/230VAC
Rise Time ................................... 20ms max. @ 115/230VAC
Over Voltage Protection, +3.3V .. 3.5-4.3V
+5V ...... 5.5-7V
+12V ... 13.4-15.6V
Over Current Protection, +3.3V .. 50mV p-p
+5V ...... 50mV p-p
+12V ... 120mV 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><em>Maximum Load</em></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>16A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+5V</td>
<td>0.3A</td>
<td>19A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+12V1</td>
<td>1A</td>
<td>16A</td>
<td>±5%</td>
<td>120mV</td>
</tr>
<tr>
<td>+12V2</td>
<td>1A</td>
<td>16A</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>2A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
</tbody>
</table>

* The overall output power is 400W maximum.
* The total output power for +3.3V & +5V is 105W maximum.
* The total output current for +12V1 & +12V2 is 25A maximum.

STANDARDS & COMPLIANCES

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.