FEATURES
- PS/2 ATX Form Factor
- Complies with ATX12V Standard
- Meets 80PLUS Bronze Efficiency Level
- Active PFC meets EN 61000-3-2 Standard
- Remote ON/OFF Function
- Approved to UL/IEC/EN 60950-1 2nd Edition Standards

INPUT SPECIFICATIONS
Input Voltage Range .......... 90-264 VAC  
Input Frequency .................. 47-63Hz  
Input Current .................... 4A rms max. @ 115 VAC  
2A 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. @ 115/230 VAC  
Rise Time ....................... 20ms max. @ 115/230 VAC  
Over Voltage Protection, +3.3V ... 3.76-6V  
+5V .... 5.74-7V  
+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>*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>19A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+5V</td>
<td>0.2A</td>
<td>15A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+12V1</td>
<td>0.1A</td>
<td>10A</td>
<td>±5%</td>
<td>120mV</td>
</tr>
<tr>
<td>+12V2</td>
<td>0.5A</td>
<td>7A</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 250W maximum.  
* The total output power for +3.3V & +5V is 97W maximum.

GENERAL SPECIFICATIONS
- Efficiency ................. 85% typ. @ full load  
- Operating Temperature ...... 0°C to +50°C  
- Storage Temperature ....... -20°C to +80°C  
- Relative Humidity .......... 5% to 95% non-condensing  
- Withstand Voltage .......... 1,800 VAC, input-ground  
- MTBF .......................... 150K hours minimum at full load & 25°C ambient, calculated per MIL-HDBK-217F

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
- Other Compliance ............ 80PLUS, RoHS

MECHANICAL SPECIFICATIONS

Notes:
1. Dimensions in mm.  
2. Power switch is optional.  
3. Customized cable set available upon request.

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