FEATUERES
• 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 ....................... 13ms 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
-12V ... 120mV p-p
+5Vsb . 50mV p-p
-5V ...... 100mV 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>0.3A</td>
<td>14A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+5V</td>
<td>0.5A</td>
<td>14A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+12V</td>
<td>0.5A</td>
<td>17A</td>
<td>±5%</td>
<td>120mV</td>
</tr>
<tr>
<td>-12V</td>
<td>0A</td>
<td>0.5A</td>
<td>±10%</td>
<td>120mV</td>
</tr>
<tr>
<td>+5Vsb</td>
<td>0.1A</td>
<td>3A</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 90W maximum.
* -5V output is optional.

GENERAL SPECIFICATIONS
Efficiency .......................... 85% typ. @ full load
Operating Altitude .................. 2,000 meters max.
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, Class B
Agency Approvals ................... UL, cUL, TUV, CB, CE, CCC
Other Compliance ................... 80PLUS, RoHS

MECHANICAL SPECIFICATIONS

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