**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

**INPUT SPECIFICATIONS**

- Input Voltage Range ................. 90-264 VAC
- Input Frequency ...................... 47-63 Hz
- Input Current ...................... 8A rms max. @ 115 VAC
- Earth Leakage Current .............. 350µA max. @ 264 VAC, 63Hz

**OUTPUT SPECIFICATIONS**

- Output Power Ratings .............. See rating chart
- Load Regulation ...................... See rating chart
- Ripple & Noise* ...................... See rating chart
- Hold-up Time ...................... 15ms 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 .......... Shut down, Latch off on all outputs
- 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>0.5A</td>
<td>22A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+5V</td>
<td>0.5A</td>
<td>16A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+12V</td>
<td>0.5A</td>
<td>18A</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>
<tr>
<td>-5V</td>
<td>0A</td>
<td>0.3A</td>
<td>±10%</td>
<td>100mV</td>
</tr>
</tbody>
</table>

* The overall output power is 460W maximum.
* The total output power for +3.3V & +5V is 120W 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 2nd Edition
- 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 sets available upon request.