FEATURES

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

GENERAL SPECIFICATIONS

- Efficiency .................................. 90% 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
- Safety Standards ......................... UL/IEC/EN 60950-1 2nd Edition
- Agency Approvals ....................... UL, cUL, TUV, CB, CE
- Other Compliance ....................... 80PLUS, RoHS

MECHANICAL SPECIFICATIONS

- Input Voltage Range ..................... 90-264 VAC
- Input Frequency .......................... 47-63Hz
- Input Current ............................. 5A rms max. @ 115 VAC
- Earth Leakage Current ................... 350µA max. @ 264 VAC, 50Hz
- Over Voltage Protection, +3.3V... 3.76-4.5V
  +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
- 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 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
- 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>15A</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>16A</td>
<td>±5%</td>
<td>120mV</td>
</tr>
<tr>
<td>+12V2</td>
<td>0.5A</td>
<td>16A</td>
<td>±5%</td>
<td>120mV</td>
</tr>
<tr>
<td>-12V</td>
<td>0A</td>
<td>0.4A</td>
<td>±10%</td>
<td>120mV</td>
</tr>
<tr>
<td>+5Vsb</td>
<td>0A</td>
<td>3A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
</tbody>
</table>

* The overall output power is 300W maximum.
* The total output power of +3.3V & +5V is 90W maximum.

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