FEATURES

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

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 ... 3.7-4.5V
+5V ....... 5.7-6.5V
+12V ... 13.3-15.6V
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>0.3A</td>
<td>14A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+5V</td>
<td>0.3A</td>
<td>16A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+12V</td>
<td>1A</td>
<td>14A</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>0A</td>
<td>2A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
</tbody>
</table>

* The overall output power is 200W maximum.
* The total output power for +3.3V & +5V is 90W maximum.

GENERAL SPECIFICATIONS

Efficiency ....................... 72% 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 radiated
Agency Approvals .............. UL, cUL, TUV, CB, CE, CCC
Other Compliance .............. RoHS, EuP Lot 6:2013

MECHANICAL SPECIFICATIONS

Notes:
1. Dimensions in mm.
2. Customized cable set available upon request.