FEATURES
- Meets ATX12V Standard
- Additional 24V/5A Output
- Meets 80PLUS Bronze Efficiency Level
- Active PFC meets EN 61000-3-2 Standard
- Optional On/Off Switch
- Approved to IEC/EN/UL 60950-1 2nd Edition Standards

INPUT SPECIFICATIONS
Input Voltage Range .......... 90-264 VAC
Input Frequency ................. 47-63Hz
Input Current .................... 8A rms max. @ 115 VAC
4A rms max. @ 230 VAC
Inrush Current ................... 80A max. @ 115 VAC,
160A max. @ 230 VAC,
at 25°C cold start
Earth Leakage Current ........ 350µA max. @ 264 VAC, 63Hz

OUTPUT SPECIFICATIONS
Output Power Ratings .......... See rating chart
Line Regulation .................... ±0.5% max. at full load
Load Regulation .................... See rating chart
Ripple & Noise* .................. See rating chart
Hold-up Time ..................... 15ms min. @ 115/230 VAC
Rise Time ......................... 20ms, 10-90% of the rated
output @ full load, 115/230V
Over Voltage Protection, +3.3V .... 3.7-4.8V
+5V ..... 5.7-7V
+12V ... 13.3-16V
+24V ... 27-31V
Over Current Protection, +3.3V .... 25-50A
+5V ..... 25-45A
+12V ... 20-28A for each rail
+24V ... 8-13A
Short Circuit Protection .......... On all outputs, Latch off except
auto-recovery on 5Vsb
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>16A</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>+12V1</td>
<td>0.5A</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>+24V</td>
<td>0.2A</td>
<td>5A</td>
<td>±10%</td>
<td>200mV</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>3A (3.5A Peak)</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 400W maximum.
* The total output power for +3.3V & +5V is 130W maximum.
* -5V output is optional.

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