TIPC300-FXB
300W FlexATX IPC Power Supply

FEATURES
- Complies with Flex ATX Standards
- Meets 80PLUS Bronze Efficiency Level
- Active PFC meets EN 61000-3-2 Standard
- Remote ON/OFF Function
- 5,000 Meters Operating Altitude
- Approved to IEC/EN/UL 60950-1 2nd Edition

INPUT SPECIFICATIONS
Input Voltage Range ................... 90-264 VAC
Input Frequency ....................... 47-63Hz
Input Current .......................... 6A rms max. @ 115 VA
3A 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 .......................... 16.5ms min. @ 115VAC, 60Hz
17ms min. @ 230VAC, 50Hz
Rise Time .............................. 20ms max. @ 115/230VAC
Over Voltage Protection, +3.3V .. 3.5-4.8V
+5V ...... 5.5-6.82V
+12V ... 13.4-15.6V
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>0.5A</td>
<td>16A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+5V</td>
<td>0.5A</td>
<td>18A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+12V1</td>
<td>0.5A</td>
<td>15A</td>
<td>±5%</td>
<td>120mV</td>
</tr>
<tr>
<td>+12V2</td>
<td>0.5A</td>
<td>15A</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>3A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
</tbody>
</table>

* The overall output power is 300W maximum.
* The total output power for +3.3V & +5V is 130W maximum.

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