TIPC350BE
350W PS/2 ATX IPC Power Supply

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 ...................... 47-63Hz
Input Current .......................... 7A rms max. @ 115 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
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 . 25-50A
      +5V ..... 25-45A
      +12V ... 20-28A for each rail
Short Circuit Protection ........... Shut down, Latch off on all
                                   outputs
Temperature Coefficient ......... ±0.04%/°C max.

GENERAL SPECIFICATIONS
Efficiency ............................ 85% 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
                               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

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>21A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+5V</td>
<td>0.5A</td>
<td>20A</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>-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>
<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 350W maximum.
* The total output power for +3.3V & +5V is 130W maximum.
* -5V output is optional.

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

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