FEATUR E S

• 1U Form Factor
• Meets ATX12V Standard
• 80PLUS 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 ............................... 5A rms max. @ 115 VAC
.................................................... 3A rms max. @ 230 VAC
Inrush Current ............................. No damage
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. @ 115/230VAC
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
-5V ...... 100mV p-p
Short Circuit Protection .............. On all outputs, Latch off except auto-recovery on -12V and -5V
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>+12V</td>
<td>1A</td>
<td>16A</td>
<td>±5%</td>
<td>120mV</td>
</tr>
<tr>
<td>+12Vb</td>
<td>1A</td>
<td>16A</td>
<td>±5%</td>
<td>120mV</td>
</tr>
<tr>
<td>-12V</td>
<td>0A</td>
<td>0.8A</td>
<td>±10%</td>
<td>120mV</td>
</tr>
<tr>
<td>+5Vsb</td>
<td>0A</td>
<td>2.5A</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 300W maximum.
* The total output power for +3.3V & +5V is 120W maximum.
* The total output current for +12V & +12Vb is 20A maximum.  

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

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