FEATURES
- 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 ........................ 6A rms max. @ 115 VAC
........................................ 3A rms max. @ 230 VAC
Inrush Current ....................... 50A @ 115 VAC,
........................................ 100A @ 230 VAC, at 25°C cold
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 3.7-4.8V
........................................ +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, 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.

GENERAL SPECIFICATIONS
Efficiency ............................ 84% 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 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.

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>1A</td>
<td>16A</td>
<td>±5%</td>
<td>120mV</td>
</tr>
<tr>
<td>+12V2</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 350W maximum.
* The total output power for +3.3V & +5V is 130W maximum.
* The total output current for +12V1 & +12V2 is 24A maximum.