FEATURES
- Complies with FlexATX Standard
- Meets 80PLUS Gold 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 ............................... 5A rms max. @ 115 VAC
  2.5A 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 ............................. 16ms min. @ 115/230VAC
- Rise Time .................................... 20ms max. @ 115/230VAC
- Over Voltage Protection, +3.3V .... 3.5-4.8V
  +5V .... 5.5-7V
  +12V ... 13.4-16V
- 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.

GENERAL SPECIFICATIONS
- Efficiency ............................... 90% min. @ full load
- Operating Altitude ...................... 5,000 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, EuP Lot 6:2013

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>0.3A</td>
<td>16A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+5V</td>
<td>0.3A</td>
<td>16A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+12V</td>
<td>0.5A</td>
<td>18A</td>
<td>±5%</td>
<td>120mV</td>
</tr>
<tr>
<td>+12V2</td>
<td>0.5A</td>
<td>18A</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>0.2A</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 110W maximum.
* -5V output is optional.