FEATURES

- PS/2 ATX Form Factor
- Complies with ATX12V Standard
- Meets 80PLUS Platinum Efficiency Level
- Active PFC meets EN 61000-3-2
- 5,000 Meters Operating Altitude
- Approved to UL/IEC/EN 60950-1 2nd Edition

INPUT SPECIFICATIONS

Input Voltage Range .................. 90-264 VAC
Input Frequency ....................... 47-63Hz
Input Current ......................... 8A rms max. @ 115 VAC
Inrush Current .......................... 50A @ 115 VAC,
                                        100A @ 230 VAC, at 25°C cold start
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 ......................... 12ms min. @ 115 VAC, 60 Hz
Rise Time ............................. 20ms max. @ 115/230 VAC
Over Voltage Protection, +3.3V .. 3.5-4.8V
 +5V ...... 5.5-7V
 +12V ... 13.4-16V
Over Current Protection, +3.3V .. 35-60A
 +5V ..... 30-45A
 +12V ... 22-30A
Short Circuit Protection ............ Shut down & Latch off on
                                    +3.3V/+5V/+12V; No damage
                                    on -12V/-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>0.3A</td>
<td>24A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+5V</td>
<td>0.3A</td>
<td>20A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+12V1</td>
<td>0.3A</td>
<td>18A</td>
<td>±5%</td>
<td>120mV</td>
</tr>
<tr>
<td>+12V2</td>
<td>0.3A</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>+5Vsab</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 500W maximum.
* The total output power for +3.3V & +5V is 120W maximum.
* -5V output is optional.

GENERAL SPECIFICATIONS

Efficiency ......................... 92% typ. @ 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, CCC, CB, CE
Other Compliance ............. 80PLUS, RoHS, EuP Lot 6:2013

MECHANICAL SPECIFICATIONS

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