FEATURES
- Enhanced +3.3V, +5V & +12V Outputs
- 90-264 VAC Universal Input with active PFC
- Meets ATX12V & EPS12V Standards
- Thermally Controlled Low Noise Ball-Bearing Fan
- IEC/EN/UL 60601-1 3.1 & IEC 60950-1 2nd Edition Approved

INPUT SPECIFICATIONS
- Input Voltage Range: 90-264 VAC
- Input Frequency: 47-63Hz
- Input Current: 6A @ 115 VAC, 3A @ 230 VAC
- Inrush Current: 40A @ 115 VAC, 60A @ 230 VAC, cold start
- Power Factor: 0.95 Min. with active PFC
- Earth Leakage Current: 150 µA Max. @ 264 VAC

OUTPUT SPECIFICATIONS
- Output Power Ratings: See Rating Chart
- Load Regulation: See Rating Chart
- Ripple & Noise: See Rating Chart
- Rise Time: 20 msec Max., smooth & monotonic
- Hold-up Time: 21.3 ms Min. @ 115/230VAC, 60/50 Hz
- Over Voltage Protection, +3.3V: +3.7V to +4.3V
- +5V: +5.7V to +6.5V
- +5Vsb: +5.7V to +6.5V
- +12V: +13.3V to +15.6V
- Over Current Protection, +3.3V: 40A to 60A
- +5V: 40A to 60A
- +12V1: 22A to 40A
- +12V2: 22A to 40A
- Short Circuit Protection: All outputs

OUTPUT VOLTAGE & CURRENT RATING CHART

<table>
<thead>
<tr>
<th>DC 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>0.1A</td>
<td>32A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+5V</td>
<td>0.2A</td>
<td>30A</td>
<td>±5%</td>
<td>50mV</td>
</tr>
<tr>
<td>+12V1</td>
<td>0.1A</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>0.8A</td>
<td>±5%</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>±5%</td>
<td>100mV</td>
</tr>
</tbody>
</table>

NOTES:
1. The overall output power is 400W maximum.
2. The combined output power for +3.3V & +5V is 180W maximum.
3. 32A maximum combined load for +12V1 & +12V2
4. Ripple & Noise measured under the specified load conditions through a single-pole low-pass filter with 20MHz bandwidth and with the outputs being bypassed at the connector by a 0.1µF ceramic and 10µF electrolytic capacitors.
MECHANICAL SPECIFICATIONS

NOTES:
1. Unit: mm
2. The cable set is for reference only.