ANP240 Series - 277V
Class 2 Quad Channel LED Power Supply

Features and Applications:
• Four (4) Independent Class 2 DC Outputs
• Highly Efficient Switching-Mode Technology
• Active PFC (Power Factor Corrected)
• Built For Outdoor Wet, Damp or Indoor Dry Applications
• Silicone Encapsulated For Wet Locations (Use UV approved Water-Tight Conduit and Fittings)
• Built-in EMI Filter For Low Noise
• Rugged Rain-Proof Aluminum Extruded Case - IP65 Rated
• Over-Current and Over-Voltage Protection With Auto-Recovery
• Output Voltage and Output Current Adjustable

All specifications are typical at nominal input, full load, at 25°C unless otherwise stated.

Electrical Specifications

<table>
<thead>
<tr>
<th>INPUT</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Input Voltage Range</td>
<td>100 - 277Vac</td>
</tr>
<tr>
<td>Frequency</td>
<td>47 - 63Hz</td>
</tr>
<tr>
<td>Input Current</td>
<td>max. 3A @115Vac/60Hz, full load</td>
</tr>
<tr>
<td>Inrush Current</td>
<td>50A typ. @ 230V, 25°C cold start</td>
</tr>
<tr>
<td>Efficiency</td>
<td>≥85% typ. @full load, input 230Vac</td>
</tr>
<tr>
<td>Power Factor</td>
<td>≥0.95 at full load 115Vac and the entire input voltage range</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OUTPUT</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Voltage Adjustment</td>
<td>-20% ~ +10%</td>
</tr>
<tr>
<td>Leakage Current</td>
<td>2mA @110Vac, 4mA @230Vac</td>
</tr>
<tr>
<td>Low Ripple &amp; Noise Voltage</td>
<td>&lt;1% V output</td>
</tr>
<tr>
<td>Over Voltage Protection</td>
<td>&lt;130% nominal voltage</td>
</tr>
<tr>
<td>Short Circuit Protection</td>
<td>Shutdown &amp; Auto Recovery</td>
</tr>
<tr>
<td>OTP Protection</td>
<td>105°C ± 5°C @ Case Ambient</td>
</tr>
<tr>
<td>Start-up time</td>
<td>&lt; 2 sec.</td>
</tr>
</tbody>
</table>

General Specifications

| Isolation Voltage      | 3000V AC                                  |
| Switching Frequency    | 100K Hz                                   |
| Weight                 | 4.2 Kg (8.8lbs.) max.                     |
| Warranty Info / MTBF   | Contact Amperor for detailed             |
| Robust Design          | Guaranteed Full Load at 70° C             |
| Derate to 50% at 80° C | UL Class 2 Wet Location                   |

Environmental Specifications

| Operating Temp.        | -30°C to +70°C full load                  |
| Storage Temp.          | -40°C to +85°C                            |
| Relative Humidity      | 5% to 95% (non-Condensing)                |
| Enclosure              | Outside case sealed per IP65              |
| Cooling                | Conduction                                |
| RoHS                   | Compliant                                 |

Safety Certifications

| UL                      | UL60950-1, UL1310 (Wet), UL8750, UL879 (in SAM) |
| E-File# E307120, E328880 | (UL Recognized)                            |
| E-File# E328880         | (UL Listed)                                |
| TUV                    | EN60950-1                                  |
| CE                     |                                         |

EMC

| Conducted Emissions    | EN55015,FCC part 15 level B               |
| Radiated Emissions     | EN55015,FCC part 15 level B               |
| Surge Protection       | EN61000-4-5, Level 2                      |
| L-N: 1KV, L/N-PE: 2KV  |                                          |

Amperor Inc.
11320 Neeshaw Dr., Houston, TX 77065
1-281-807-3320
http://www.amperor.com

Amperor Adelmann GmbH
Hanns-Martin-Schleyer- Strasse 30, 47877 Willich, Germany
+ 49 2154 8168900

Intertek Corp., an Amperor Company
4th, Fl, Far East World Center
Xintai 5th Rd., Xizhi Dist., New Taipei City, 22101, Taiwan R.O.C.
886-2-2698-2239
Table1: Model vs. Output Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Output Voltage</th>
<th># of Channels</th>
<th>Voltage On-board Potentiometer Adjustment Range</th>
<th>Current On-board Potentiometer Adjustment Range</th>
<th>OCP Trip Point</th>
<th>Max Combined Current</th>
<th>Max Output Power Watts</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANP155-12AC-277</td>
<td>+12V</td>
<td>2</td>
<td>-20 / +10 %</td>
<td>-70 / +0 %</td>
<td>5.0A</td>
<td>10A</td>
<td>120W</td>
</tr>
<tr>
<td>ANP155-15AC-277</td>
<td>+15V</td>
<td>2</td>
<td>-20 / +10 %</td>
<td>-70 / +0 %</td>
<td>4.0A</td>
<td>8A</td>
<td>120W</td>
</tr>
<tr>
<td>ANP155-19AC-277</td>
<td>+19V</td>
<td>2</td>
<td>-20 / +10 %</td>
<td>-70 / +0 %</td>
<td>3.16A</td>
<td>6.32A</td>
<td>120W</td>
</tr>
<tr>
<td>ANP155-24AC-277</td>
<td>+24V</td>
<td>2</td>
<td>-20 / +10 %</td>
<td>-70 / +0 %</td>
<td>3.13A</td>
<td>6.26A</td>
<td>150W</td>
</tr>
</tbody>
</table>

Notes:
Each individual DC output channel will automatically shut down and auto-recover after an over-current limit (OCP) Trip event. The other output channel will be unaffected by a single channel OCP trip event as long as the over current for the individual channel measures less than 1X the OCP limit during it’s auto recovery cycle. Only one output will be shut down and placed into auto recovery mode as soon as the over current of any individual channel exceeds the 1X OCP limit.
Mechanical Information

Notes: All dimensions in mm.

Amperor, Inc. DataSheet © 2009
The information and specifications contained in this data sheet are believed to be accurate at time of publication. Specifications are subject to change without notice.