The **SB-120-220-XX** 900 Watt non-standby power supply with a switchable input will operate at 120Vac or 220Vac 60Hz line voltage. The output is field selectable for 60Vac @15amps or 90Vac @ 10amps and it comes with a **2-year** limited warranty. All units shipped from PDI’s plant are preset to 60Vac output.

The **SB-120-220-XX** is designed to be mounted either on a wall, pole, or pedestal; and each unit comes with an **Easy Mount**. This power supply is also available with a **NEMA 3R** rated rain-proof enclosure certified under UL-50E forA outdoor operation.

**Options:**
- With Rainproof Enclosure: **SB-120-220-60R**
- Power Cord: **SB-U-UL**

Purchase from Multicom [MULTICOM](www.multicominc.com) | 800-423-2594

ASSEMBLED & TESTED IN THE USA! 🇺🇸
1.4 Outline Diagram

![Outline Diagram](image)

Figure 1.1, Outline Diagram

1.5 Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Input voltage (VAC)</th>
<th>Input frequency (Hz)</th>
<th>Output voltage (VAC)</th>
<th>Output current (A) MAX.</th>
<th>Output power (VA, max.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB-120-220-60</td>
<td>120/220</td>
<td>60</td>
<td>60/90V</td>
<td>15/10 *</td>
<td>900</td>
</tr>
</tbody>
</table>

**Input**
- Voltage range: +/- 15%
- Power factor: >0.90 at full load
- Protection: Circuit breaker 1P, 16A Supp. (Thermo-magnetic release)

**Output**
- Current/Load: 15 amps Maximum
- Voltage Regulation: ±5%
- Waveform: Quasi-square wave
- Efficiency: ≥90%
- Protection: Current limited
- Short circuit current: 150% of maximum current rating

**Mechanical**
- Enclosure: Vented/Lockable
- Dimensions: (H) 13.5” (W) 8.5” (D) 9.0”
- Finish: Powder coat
- Material: Aluminum

**Environmental**
- Operating temperature: -40°C to +55°C
- Humidity: 0-90% non-condensing
# Non-Standby Power Supply Comparative

**Starburst Technologies**

**Typical Unit**
Competitor’s Switchable Non-Standby Power Supply

<table>
<thead>
<tr>
<th>Specification Category</th>
<th>Starburst Technologies</th>
<th>The Competition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assembled / Tested</td>
<td>USA</td>
<td>Off-Shore</td>
</tr>
<tr>
<td>Warranty</td>
<td>2 years</td>
<td>Not Stated</td>
</tr>
<tr>
<td>Detailed Operational Manual</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Mounting System</td>
<td>Easy Mount</td>
<td>Standard</td>
</tr>
<tr>
<td>Housing Construction</td>
<td>13ga Aluminum</td>
<td>17ga or 14ga</td>
</tr>
<tr>
<td>Housing Finish</td>
<td>MIL SPEC Powder Coated</td>
<td>Powder Coated</td>
</tr>
<tr>
<td>Weatherproof Housing Upgrade</td>
<td>Optional NEMA 3R</td>
<td>No</td>
</tr>
<tr>
<td>Ventilation</td>
<td>Front Panel - Yes</td>
<td>Front Panel - No</td>
</tr>
<tr>
<td></td>
<td>Side Panels - Yes</td>
<td>Side Panels - Yes</td>
</tr>
<tr>
<td>Screened Vents Standard</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Weatherproof Door Gasket</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Grounding</td>
<td>UL Compliant</td>
<td>No</td>
</tr>
<tr>
<td>Stainless Steel Hardware Fasteners</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Input Voltage Selectable</td>
<td>110-220Vac</td>
<td>110-220Vac</td>
</tr>
<tr>
<td>Output Voltage</td>
<td>60/90V</td>
<td>60/90V</td>
</tr>
<tr>
<td>Wattage</td>
<td>900W</td>
<td>900W</td>
</tr>
<tr>
<td>Unit Weight</td>
<td>45lbs.</td>
<td>47lbs.</td>
</tr>
</tbody>
</table>

Specifcations subject to change without notice. Content and Starburst Technologies logo are the intellectual property of PDI Communications Inc. ©2016, all rights reserved.
1) EASY MOUNT
Easy Mount is standard and not optional. Others use a basic mounting bracket.

2) HOUSING AND FINISH
Our housing is manufactured using 13 gauge aluminum. Then a MIL SPEC powder coated finish is applied. Others are 17 gauge which is much less substantial and powder coated. Some are 14 gauge rolled steel and powder coated. We use this housing for both of our two non-UL Listed models as well as the SB-UL6090-1SP UL Listed non-standby power supply.

3) HOUSING & VENTILATION
Screened vents are standard on all three models of our unit. Others either don’t offer screening or have it as an option.

4) WEATHERPROOF NEMA 3R HOUSING UPGRADE OPTION
Our housing can be modified to become a NEMA 3R rated weatherproof housing – SUITABLE FOR USE OUTDOORS. This modification is done at our engineering facility in Boca Raton Florida, as is all testing and assembly. Not available from other manufacturers.

5) LOCKABLE HOUSING
Our unit has a built in hasp so that you can secure it with a padlock. Other units do not have this feature.

6) INDICATOR LIGHT
Our standard indicator light illuminates when power is present. With some others it is optional.

7) GROUNDING
Our grounding and bonding methods are in compliance with UL Standards and practices. Other units’ are not.

8) FASTENERS
Our unit uses stainless steel button fasteners throughout the assembly. Other units do not.

The Starburst Technologies SB-120-220-XX (optional 60Hz or 50Hz) non-standby power supplies are ONE OF A KIND! Special features such as additional front ventilation, standard bonded screened vents throughout, and a heavy-duty 13 gauge aluminum, MIL SPEC powder coated enclosure with an optional NEMA 3R weatherproof housing, move this power supply to THE HEAD OF THE CLASS!

ASSEMBLED & TESTED IN THE USA!