PS-1220 12V 2.5 AH @ 20-hr.
12V 2.2 AH @ 10-hr.

Rechargeable Sealed Lead Acid Battery
PS – General Purpose Series

TERMINALS: (mm)

F1: Quick disconnect tabs, 0.187” x 0.032” – Mate with AMP INC. FASTON “187” series

Torque – Not Applicable

DIMENSIONS: inch (mm)

L: 7.00 (178)  W: 1.37 (35)  H: 2.36 (60)  HT: 2.59 (66)
Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions.
All data subject to change without notice.

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To ensure safe and efficient operation always refer to the latest edition of our Technical Manual, as published on our website.
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All data subject to change without notice. E&OE.
**SHELF LIFE & STORAGE**

<table>
<thead>
<tr>
<th>Ambient Temperature (°C)</th>
<th>Percentage of Capacity Available (Ah%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5°C (41°F)</td>
<td>100</td>
</tr>
<tr>
<td>20°C (68°F)</td>
<td>80</td>
</tr>
<tr>
<td>25°C (77°F)</td>
<td>60</td>
</tr>
<tr>
<td>30°C (86°F)</td>
<td>40</td>
</tr>
<tr>
<td>35°C (95°F)</td>
<td>20</td>
</tr>
<tr>
<td>40°C (104°F)</td>
<td>0</td>
</tr>
</tbody>
</table>

Charging is not necessary unless 100% of capacity is required.

Charging before use is necessary to help recover full capacity.

**LIFE CHARACTERISTICS IN STAND-BY USE**

<table>
<thead>
<tr>
<th>Ambient Temperature 20°C (68°F)</th>
<th>Percentage of Capacity Available (Ah%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Float Charging Voltage 2.25 - 2.30 V/Cell</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Years</th>
<th>Percentage of Capacity Available (Ah%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>1</td>
<td>80</td>
</tr>
<tr>
<td>2</td>
<td>60</td>
</tr>
<tr>
<td>3</td>
<td>40</td>
</tr>
<tr>
<td>4</td>
<td>20</td>
</tr>
<tr>
<td>5</td>
<td>0</td>
</tr>
</tbody>
</table>

CHARGING

**Cycle Applications**: Apply constant voltage charge at 2.35v/c – 2.45v/c (14.1 – 14.7v for 12v Monobloc) at 20°C. Initial charging current should be set at less than 0.25C Amps. Switch to float charge to avoid overcharging.

"Float" or "Stand-By" Service: Apply constant voltage charge of 2.25v/c – 2.30v/c (13.5 to 13.8 volts for 12v Monobloc at 20°C. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

**Temperature Compensation**: Charging Voltage for both Cyclic and Standby applications should be regulated in relation to ambient temperature. As temperature rises charging voltage should be reduced to prevent overcharge and increased as temperature falls to avoid undercharge.

For further charging information including temperature compensation factors, see Power Sonic Technical Manual/Power Sonic Charger specifications.

**APPLICATIONS**

- General purpose
- Emergency lighting
- Medical
- Fire and security

**CHARGERS**

Power Sonic offers a wide range of chargers suitable for batteries with a variety of capacities.

Please refer to our website for more information on our switch mode and transformer type chargers.

Please contact our technical department for advice if you have difficulty in locating a suitable charger.

**FURTHER INFORMATION**

Please refer to our website www.power-sonic.com for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certification, etc.