PS SERIES

TERMINALS: (mm)

SP – Spring (PS-650LS):

Fully collapsible spring type terminals

10.0
13
13.5

DIMENSIONS: Inch (mm)

L: 2.64 (67)
W: 2.64 (67)
H: 3.78 (96)
HT: 4.29 (109)

Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

PERFORMANCE SPECIFICATIONS

Nominal Voltage
6 volts (3 cells)

Nominal Capacity
20-hr. (250mA to 5.25 volts) 5.00 AH
10-hr. (473mA to 5.25 volts) 4.73 AH
5-hr. (755mA to 5.25 volts) 3.78 AH
1-hr. (3.63A to 4.80 volts) 3.63 AH

Approximate Weight
1.72 lbs. (0.78 kg)

Internal Resistance (approx.)
60 milliohms

Max Discharge Current (5 Sec.)
75A

Shelf Life (% of nominal capacity at 68°F (20°C)
1 Month 97%
3 Month 91%
6 Month 83%

Operating Temperature Range
Charge 32°F (-0°C) to 104°F (40°C)
Discharge 5°F (-15°C) to 122°F (50°C)

Case
ABS Plastic

Power Sonic Chargers
PSC-6500A-C
PSC-6500-PC
PSC-61000-PC
PSC-61300-PC
PSC-61000A-C

FEATURES

• Absorbent Glass Mat (AGM) technology for superior performance
• Valve regulated, maintenance free spill proof construction
• Advanced over-temperature protection with integrated Pepi thermal protector
• Power/volume ratio yielding excellent energy density
• Rugged vibration and impact resistant ABS case and cover
• Gas recombination technology
• 5 year design life

APPROVALS

• U.L. recognized

GENERAL HEADQUARTERS
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**DISCHARGE CHARACTERISTICS**

Terminal Voltage (V) vs. Discharge Time

**FLOAT CHARGING CHARACTERISTICS**

Charging Time (hours) vs. Charging Current (% of 0.10CA cell)

<table>
<thead>
<tr>
<th>Constant Current Discharge (Amperes) at 25°C (77°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F.V./Time</td>
</tr>
<tr>
<td>1.85V/cell</td>
</tr>
<tr>
<td>1.80V/cell</td>
</tr>
<tr>
<td>1.75V/cell</td>
</tr>
<tr>
<td>1.70V/cell</td>
</tr>
<tr>
<td>1.67V/cell</td>
</tr>
<tr>
<td>1.60V/cell</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>Constant Power Discharge (Watts/cell) at 25°C (77°F)</th>
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<tbody>
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</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 1.35 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

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