PS-12280S 12V 29.6 AH @ 20-hr. 12V 28.0 AH @ 10-hr.
Rechargeable Sealed Lead Acid Battery
PS – General Purpose Series

TERMINALS: (mm)
T12: Threaded insert with 5mm stud fastener

DIMENSIONS: inch (mm)
L: 6.49 (165)
W: 4.92 (125)
H: 7.16 (182)
HT: 6.88 (175)

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

FEATURES
• 10 – 12 year design life
• Absorbent Glass Mat (AGM) technology for superior performance
• Valve regulated, maintenance free spill proof construction
• Power/volume ratio yielding excellent energy density
• Rugged vibration and impact resistant ABS case and cover
• Gas recombination technology

APPROVALS
• U.L. recognized
• ISO9001:2015 – Quality management systems

PERFORMANCE SPECIFICATIONS

<table>
<thead>
<tr>
<th>Nominal Voltage</th>
<th>12 volts (6 cells)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Capacity</td>
<td></td>
</tr>
<tr>
<td>20-hr. (1.48A to 10.50 volts)</td>
<td>29.6 AH</td>
</tr>
<tr>
<td>10-hr. (2.80A to 10.50 volts)</td>
<td>28.0 AH</td>
</tr>
<tr>
<td>5-hr. (4.86A to 10.20 volts)</td>
<td>24.3 AH</td>
</tr>
<tr>
<td>1-hr. (17.2A to 9.00 volts)</td>
<td>17.2 AH</td>
</tr>
<tr>
<td>Approximate Weight</td>
<td>20.9 lbs. (9.5 kg)</td>
</tr>
<tr>
<td>Internal Resistance (approx.)</td>
<td>12.0 milliohms</td>
</tr>
<tr>
<td>Max Short-Duration Discharge Current (10 Sec.)</td>
<td>296.0 amperes</td>
</tr>
<tr>
<td>Shelf Life (% of nominal capacity at 68°F (20°C))</td>
<td></td>
</tr>
<tr>
<td>1 Month</td>
<td>97%</td>
</tr>
<tr>
<td>3 Month</td>
<td>91%</td>
</tr>
<tr>
<td>6 Month</td>
<td>83%</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td></td>
</tr>
<tr>
<td>Charge</td>
<td>5°F (-15°C) to 122°F (50°C)</td>
</tr>
<tr>
<td>Discharge</td>
<td>-4°F (-20°C) to 140°F (60°C)</td>
</tr>
</tbody>
</table>

Case: ABS Plastic

Power Sonic Chargers
PSC-124000-PC
PSC-124000A-C
SHELF LIFE & STORAGE

LIFE CHARACTERISTICS IN STAND-BY USE

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

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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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