PG SERIES

TERMINALS: (mm)

<table>
<thead>
<tr>
<th>Terminal Type</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>T12</td>
<td>12mm x 65 mm</td>
</tr>
</tbody>
</table>

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.

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FEATURES

• Absorbent Glass Mat (AGM) technology for superior performance
• Superb high-rate discharge characteristics ensures reliable performance in UPS and telecom applications
• Proven valve regulated technology that guarantees safe operation without maintenance
• Rugged impact resistant ABS case and cover
• Thick plate design and efficient gas recombination yield a service life of 10 – 12 years in standby mode

APPROVALS

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

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PG SERIES

PG-12V21 12V 18.9 AH @20-hr.
12V 18.0 AH @ 10-hr.

Rechargeable Sealed Lead Acid Battery
PG – Long Life Series

TERMINALS: (mm)

T12: Threaded insert with 5mm stud fastener

DIMENSIONS: inch (mm)

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>7.12 (181)</td>
</tr>
<tr>
<td>W</td>
<td>3.03 (77)</td>
</tr>
<tr>
<td>H</td>
<td>6.59 (167.5)</td>
</tr>
<tr>
<td>HT</td>
<td>6.59 (167.5)</td>
</tr>
</tbody>
</table>

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

Performance Specifications

Nominal Voltage 12 volts (6 cells)
Nominal Capacity
20-hr. (945mA to 10.80 volts) 18.9 AH
10-hr. (1.80A to 10.80 volts) 18.0 AH
5-hr. (3.20A to 10.50 volts) 16.0 AH
1-hr. (11.00A to 9.60 volts) 11.0 AH
Approximate Weight 13.2 lbs. (6.0 kg)
Internal Resistance (approx.) 15.0 milliohms
Max Short-Duration Discharge Current (10 Sec.) 200 amperes
Shelf Life (% of nominal capacity at 68°F (20°C))
1 Month 97%
3 Month 91%
6 Month 83%
Operating Temperature Range
Charge 5°F (-15°C) to 122°F (50°C)
Discharge -4°F (-20°C) to 140°F (60°C)
Case ABS Plastic

Power Sonic Chargers
• PSC-124000A-C
• PSC-124000-PC
• PSC-122000A-C

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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

A whole range of CYCLIC applications including but not limited to:
- Fire and Security
- Telecommunications
- Emergency Lighting
- Utility
- Solar
- Wind
- UPS

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.