**FEATURES**

- VdS and NCP approved VRLA battery
- 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
- VdS
- NCP

**PERFORMANCE SPECIFICATIONS**

- **Nominal Voltage**: 12 volts (6 cells)
- **Nominal Capacity**:
  - 20-hr. (1.90A to 10.50 volts) 38.0 AH
  - 10-hr. (3.60A to 10.50 volts) 36.1 AH
  - 5-hr. (6.22A to 10.20 volts) 31.1 AH
  - 1-hr. (22.0A to 9.00 volts) 22.0 AH
- **Approximate Weight**: 29.1 lbs. (13.2 kg)
- **Internal Resistance (approx.)**: 10.0 milliohms
- **Max Short-Duration Discharge Current (10 Sec.)**: 380.0 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

**DIMENSIONS: inch (mm)**

- **L**: 7.75 (197)
- **W**: 6.49 (165)
- **H**: 6.14 (156)
- **HT**: 6.69 (170)

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

**TERMINALS: (mm)**

- **T6**: Threaded insert with 6mm stud fastener

Torque: 3.9~5.4 Nxm
**SHELF LIFE & STORAGE**

<table>
<thead>
<tr>
<th>Capacity Retention Ratio (%)</th>
<th>Standing Period (Months)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>80</td>
<td>2</td>
</tr>
<tr>
<td>60</td>
<td>4</td>
</tr>
<tr>
<td>40</td>
<td>6</td>
</tr>
<tr>
<td>20</td>
<td>8</td>
</tr>
<tr>
<td>0</td>
<td>10</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>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
</tr>
<tr>
<td>80</td>
</tr>
<tr>
<td>60</td>
</tr>
<tr>
<td>40</td>
</tr>
<tr>
<td>20</td>
</tr>
<tr>
<td>0</td>
</tr>
</tbody>
</table>

- Float Charging Voltage: 2.25 - 2.30 V/Cell

**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.

**APPLICATONS**

- 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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All data subject to change without notice. E&O.E.