



**We've Got The Power.™**

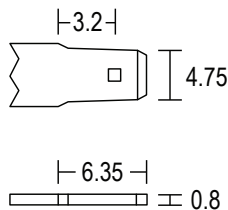
## PS-612 6 Volt 1.4 AH

Rechargeable Sealed Lead Acid Battery

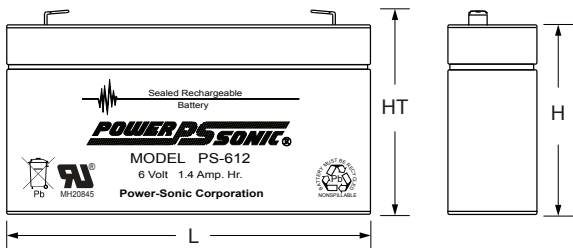


### Terminals (mm)

- F1 - Quick disconnect tabs, 0.187" x 0.032" - Mate with AMP. INC. FASTON "187" series



### Physical Dimensions: in (mm)



**L: 3.82 (97) W: 0.94 (24) H: 2.00 (51) HT: 2.20 (56)**

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

### Features

- Absorbent Glass Mat (AGM) technology for superior performance
- Valve regulated, spill proof construction allows safe operation in any position
- Power/volume ratio yielding unrivaled energy density
- Rugged impact resistant ABS case and cover (UL94-HB)
- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified
- U.L. recognized under file number MH 20845

### Performance Specifications

**Nominal Voltage** ..... 6 volts (3 cells)

**Nominal Capacity**

|                                    |         |
|------------------------------------|---------|
| 20-hr. (70mA to 5.25 volts) .....  | 1.40 AH |
| 10-hr. (130mA to 5.25 volts) ..... | 1.30 AH |
| 5-hr. (240mA to 5.10 volts) .....  | 1.20 AH |
| 1-hr. (850mA to 4.50 volts) .....  | 0.85 AH |
| 15-min. (2.6A to 4.50 volts) ..... | 0.65 AH |

**Approximate Weight** ..... 0.66 lbs. (0.30 kg)

**Energy Density (20-hr. rate)** ..... 1.17 W-h/in<sup>3</sup> (71.38 W-h/l)

**Specific Energy (20-hr. rate)** ..... 12.73 W-h/lb (28.06 W-h/kg)

**Internal Resistance (approx.)** ..... 70 milliohms

**Max Discharge Current (7 Min.)** ..... 4.2 amperes

**Max Short-Duration Discharge Current (10 Sec.)**..... 14.0 amperes

**Shelf Life (% of nominal capacity at 68°F (20°C))**

|                |     |
|----------------|-----|
| 1 Month .....  | 97% |
| 3 Months.....  | 91% |
| 6 Months ..... | 83% |

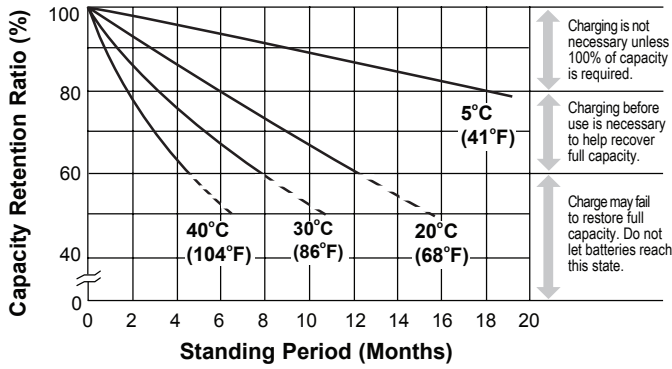
**Operating Temperature Range**

|                 |                               |
|-----------------|-------------------------------|
| Charge .....    | -4°F (-20°C) to 122°F (50°C)  |
| Discharge ..... | -40°F (-40°C) to 140°F (60°C) |

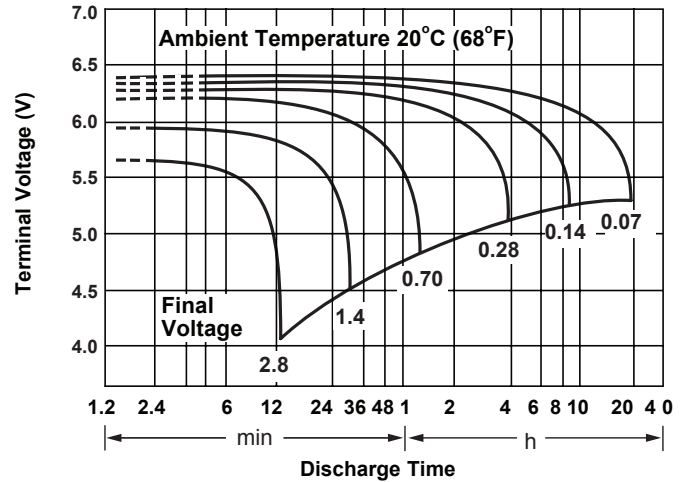
**Case** ..... ABS Plastic

**Power-Sonic Chargers** ..... n/a

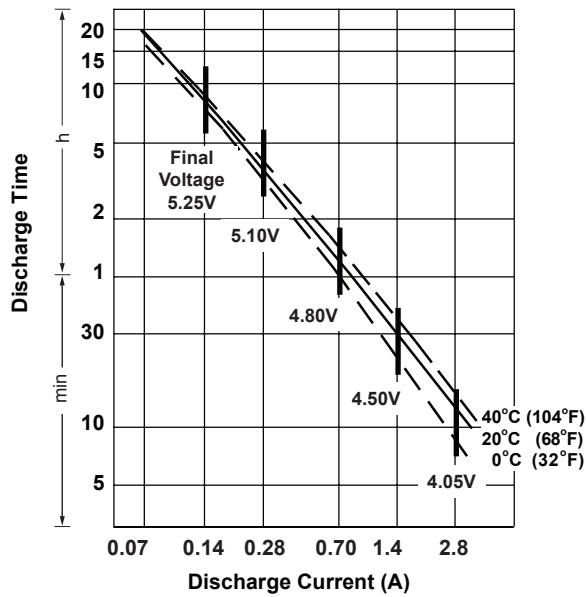
**Shelf Life & Storage**



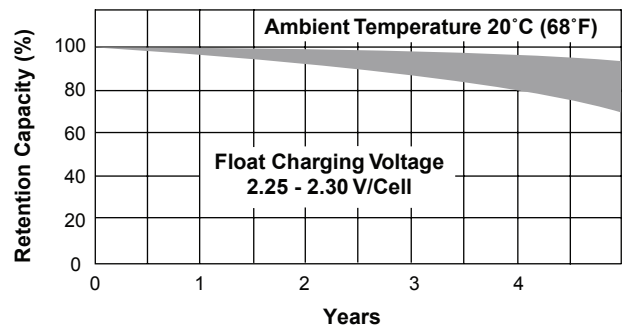
**Discharge Characteristics**



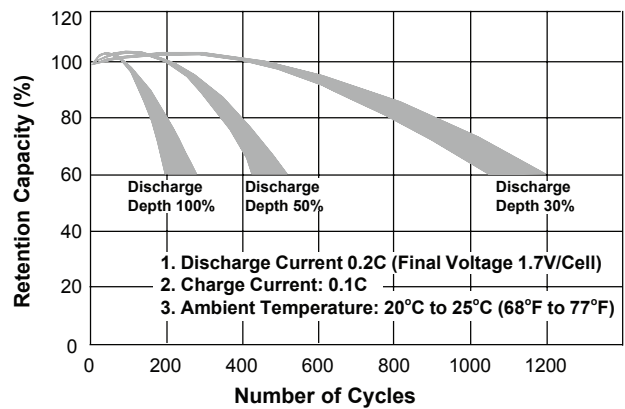
**Discharge Time vs. Discharge Current**



**Life Characteristics in Stand-By Use**



**Life Characteristics in Cyclic Use**



**Charging**

**Cycle Applications:** Limit initial current to 420mA. Charge until battery voltage (under charge) reaches 7.20 to 7.35 volts at 68°F (20°C). Hold at 7.20 to 7.35 volts until current drops to under 14mA. Battery is fully charged under these conditions, and charger should be disconnected or switched to "float" voltage.

**"Float" or "Stand-By" Service:** Hold battery across constant voltage source of 6.75 to 6.90 volts continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

**Note:** Due to the self-discharge characteristics of this type of battery, it is imperative that they be charged within 6 months of storage, otherwise permanent loss of capacity might occur as a result of sulfation.

**Chargers**

Power-Sonic offers a wide range of chargers suitable for batteries up to 100AH. Please refer to the Charger Selection Guide in our specification sheets for "C-Series Switch Mode Chargers" and "Transformer Type A and F Series". Please contact our Technical department for advice if you have difficulty in locating suitable models.

[www.power-sonic.ca](http://www.power-sonic.ca)

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