

**POWER  SONIC**

## Rechargeable Sealed Lead-Acid Battery

# PS-628

## 6 Volt 2.9 Amp. Hrs.



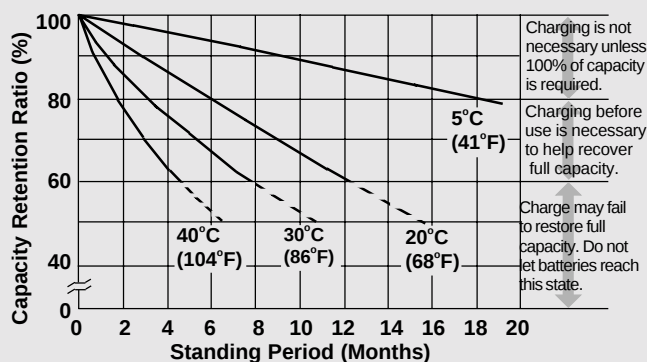
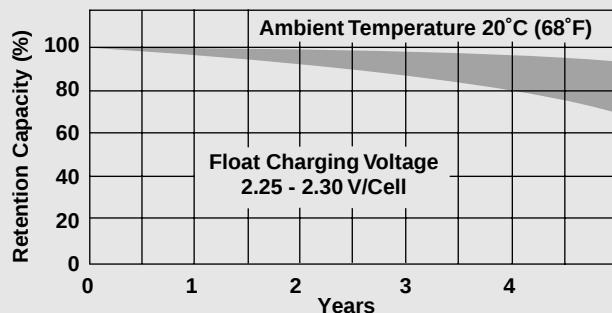
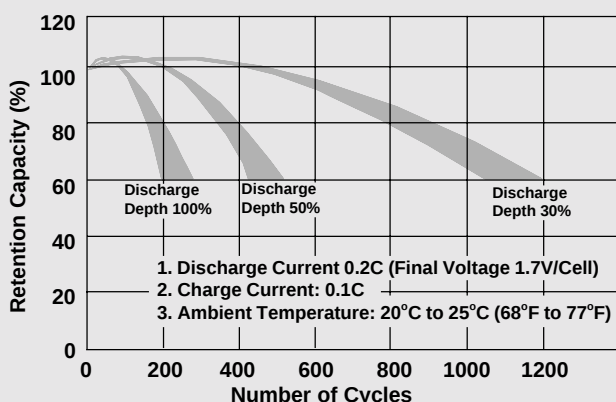
### Features:

- 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 ABS plastic case and cover
- 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

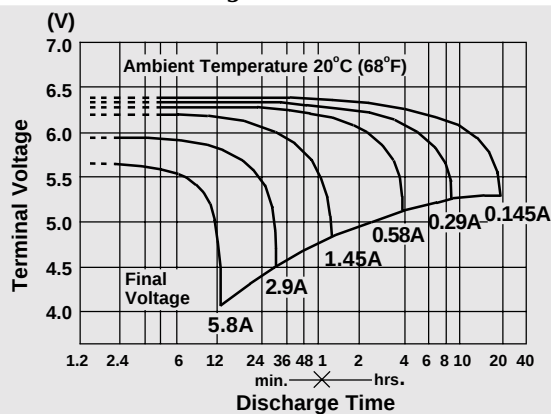
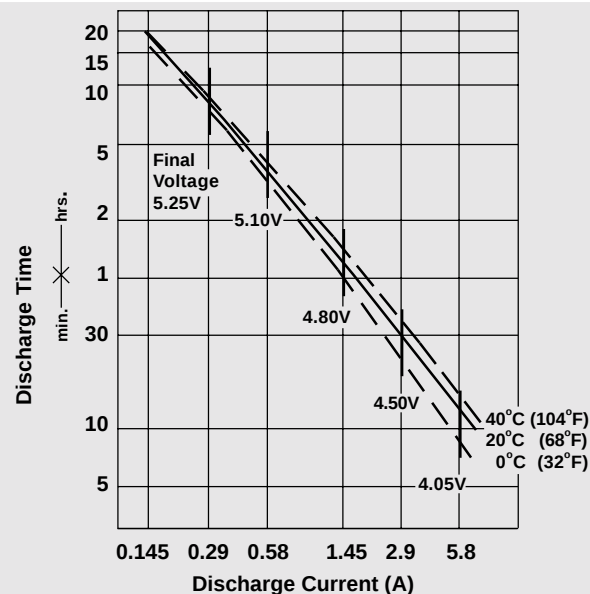
|                                                            |                                                                                       |
|------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Nominal Voltage.....                                       | 6 volts (3 cells in series)                                                           |
| Nominal Capacity                                           |                                                                                       |
| 20 hour rate ( 145mA to 5.25 volts) .....                  | 2.90 A.H.                                                                             |
| 10 hour rate ( 260mA to 5.25 volts) .....                  | 2.60 A.H.                                                                             |
| 5 hour rate ( 490mA to 5.10 volts) .....                   | 2.45 A.H.                                                                             |
| 1 hour rate (1.80A to 4.50 volts) .....                    | 1.80 A.H.                                                                             |
| 15 min rate (5.68A to 4.50 volts) .....                    | 1.42 A.H.                                                                             |
| Approximate Weight.....                                    | 1.30 pounds (0.59 kg)                                                                 |
| Energy Density (20 hour rate).....                         | 1.35 Watt-hours/cubic inch (82.4 Watt-hours/l)                                        |
| Specific Energy (20 hour rate).....                        | 13.4 Watt-hours/pound (29.5 Watt-hours/kg)                                            |
| Internal Resistance (Fully Charged Battery).....           | 22 milliohms (approximately)                                                          |
| Maximum Discharge Current ( ≤ 7 Min.).....                 | 8.7 amperes                                                                           |
| Maximum Short-Duration Discharge Current ( ≤ 10 Sec.)..... | 29 amperes                                                                            |
| Terminals.....                                             | "F1": Quick disconnect tabs, 0.187" x 0.032"- Mate with AMP. INC. FASTON "187" series |
| 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.....                                             | -4°F (-20°C) to 140°F (60°C)                                                          |
| Case.....                                                  | ABS Plastic                                                                           |

**Shelf Life and Storage****Life Characteristics in Stand-By Use****Life Characteristics in Cyclic Use****CHARGING**

**Cycle Applications:** Limit initial current to 840mA. 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 approximately 29mA. Battery is fully charged under these conditions, and charger should either be disconnected or switched to "float" voltage.

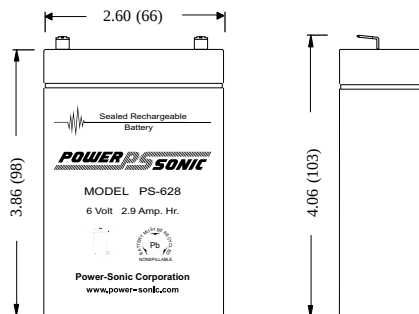
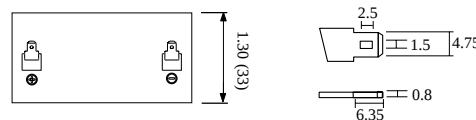
**"Float" or "Stand-By" Service:** Hold battery across constant voltage source of 6.75 to 6.90 volts continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

**NOTE:** Due to the self-discharge characteristics of this type of battery, it is imperative that they be charged after 6-9 months of storage, otherwise permanent loss of capacity might occur as a result of sulfation.

**Discharge Characteristics****Discharge Time vs. Discharge Current**

Physical Dimensions: in. (mm)

Terminals: F1 (mm)



Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All Data Subject to Change Without Notice

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