



## PS-1290 12 Volt 9.0 AH

### Rechargeable Sealed Lead Acid Battery

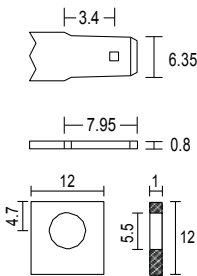


### Features

- 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

### Terminals (mm)

- F2 - Quick disconnect tabs, 0.250" x 0.032" - Mate with AMP. INC FASTON "250" series
- NB - Tin plated brass posts with nut & bolt fasteners



### Performance Specifications

**Nominal Voltage** ..... 12 volts (6 cells)

**Nominal Capacity**

20-hr. (450mA to 10.50 volts) .....	9.00 AH
10-hr. (810mA to 10.50 volts) .....	8.10 AH
5-hr. (1.44A to 10.20 volts) .....	7.20 AH
1-hr. (5.4A to 9.00 volts) .....	5.40 AH
15-min. (14.4A to 9.00 volts) .....	3.60 AH

**Approximate Weight** ..... 6.00 lbs. (2.72 kg)

**Energy Density** (20-hr. rate) ..... 1.92 W-h/in<sup>3</sup> (116.94 W-h/l)

**Specific Energy** (20-hr. rate) ..... 18.00 W-h/lb (39.68 W-h/kg)

**Internal Resistance** (approx.) ..... 13 milliohms

**Max Discharge Current** (7 Min.) ..... 27.0 amperes

**Max Short-Duration Discharge Current** (10 Sec.)..... 90.0 amperes

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

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

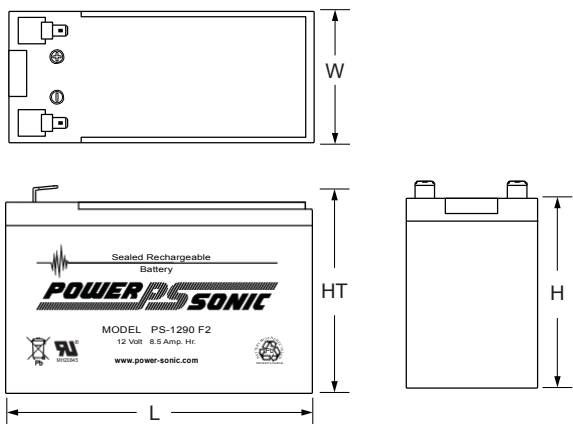
### Operating Temperature Range

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** ..... PSC-12800A, 12800A-C

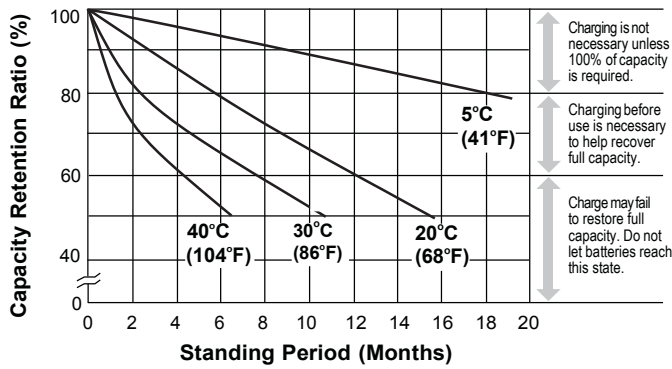
### Physical Dimensions: in (mm)



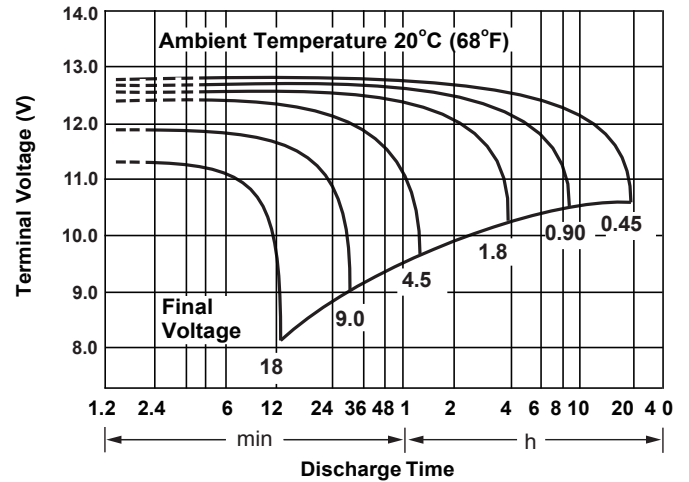
**F2:** L: 5.95 (151) W: 2.56 (65) H: 3.70 (94) HT: 3.86 (98)  
**NB:** L: 5.95 (151) W: 2.56 (65) H: 3.70 (94) HT: 4.15 (106)

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

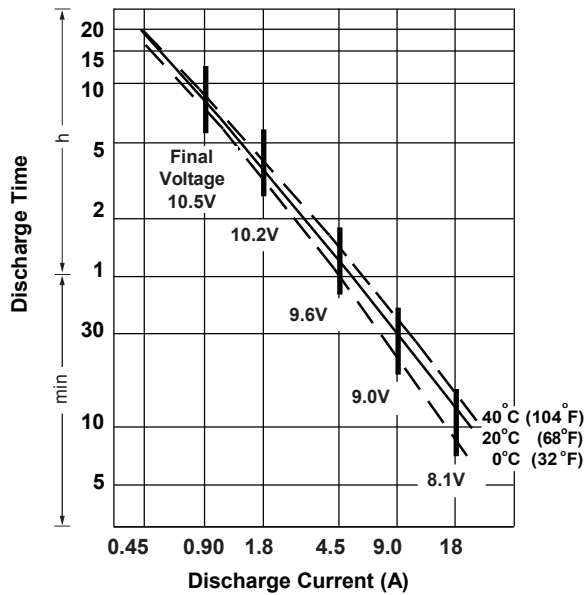
**Shelf Life & Storage**



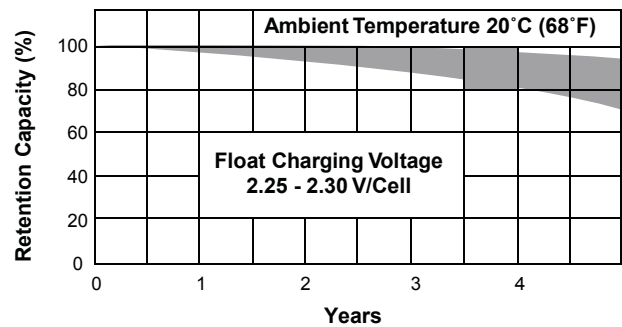
**Discharge Characteristics**



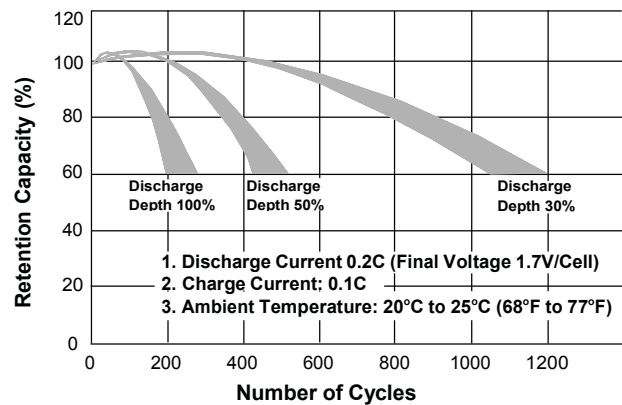
**Discharge Time vs. Discharge Current**



**Life Characteristics in Stand-By Use**



**Life Characteristics in Cyclic Use**



**Charging**

**Cycle Applications:** Limit initial current to 2.7A. Charge until battery voltage (under charge) reaches 14.4 to 14.7 volts at 68°F (20°C). Hold at 14.4 to 14.7 volts until current drops to under 90mA. 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 13.5 to 13.8 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.

**Further Information**

Please refer to our website [www.power-sonic.com](http://www.power-sonic.com) for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certification, etc..

