



## PS-6200 6 Volt 20.0 AH

### Rechargeable Sealed Lead Acid Battery

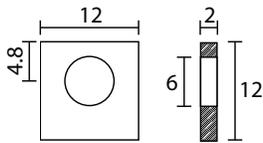


#### Features

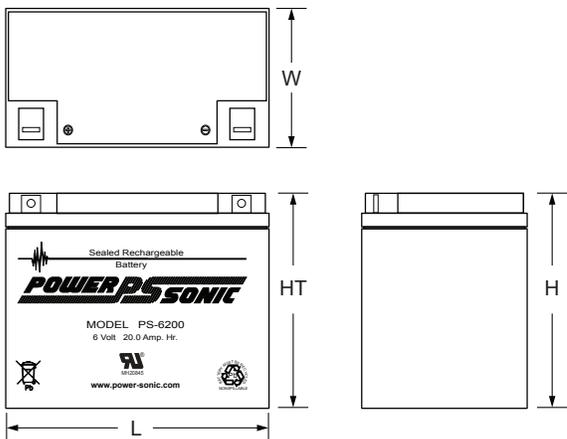
- Absorbent Glass Mat (AGM) technology for superior performance
- Valve regulated, spill proof construction allows safe operation in any position
- Power/volume ratio yielding unrivaled energy density
- Rugged impact resistant ABS case and cover (UL94-HB)
- Approved for transport by air. D.O.T., I.A.T.A.,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

#### Terminals (mm)

- NB1: tin plated brass posts with nut & bolt fasteners



#### Physical Dimensions: in (mm)



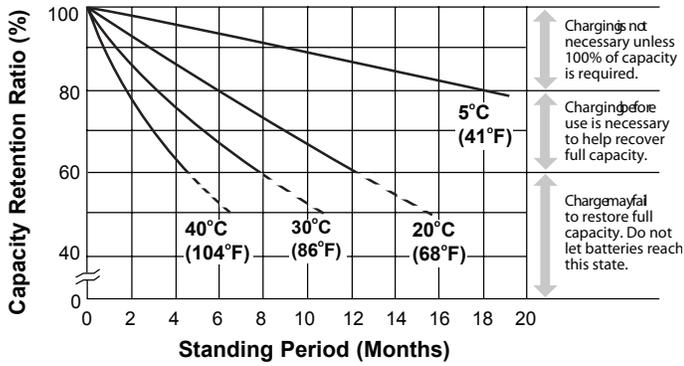
**L: 6.18 (157) W: 3.27 (83) H: 4.92 (125) HT: 4.92 (125)**

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

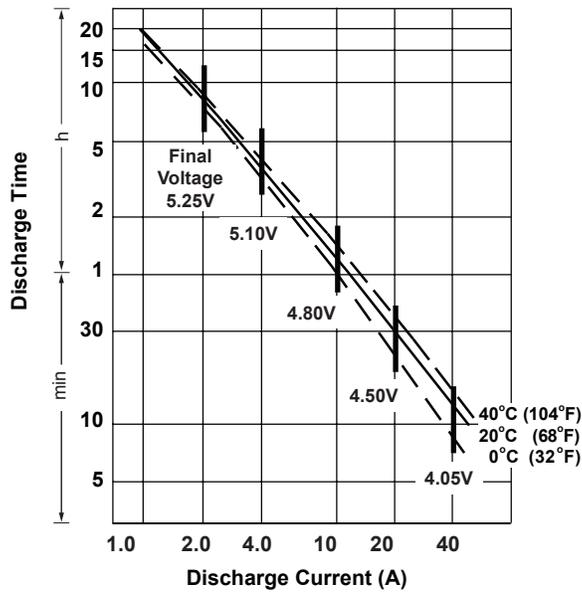
#### Performance Specifications

|                                                      |                                        |
|------------------------------------------------------|----------------------------------------|
| Nominal Voltage .....                                | 6 volts (3 cells)                      |
| Nominal Capacity                                     |                                        |
| 20-hr. (1A to 5.25 volts) .....                      | 20.00 AH                               |
| 10-hr. (1.86A to 5.25 volts) .....                   | 18.60 AH                               |
| 5-hr. (3.4A to 5.10 volts) .....                     | 17.00 AH                               |
| 1-hr. (12.4A to 4.50 volts) .....                    | 12.40 AH                               |
| 15-min. (39.2A to 4.50 volts) .....                  | 9.80 AH                                |
| Approximate Weight .....                             | 7.10 lbs. (3.22 kg)                    |
| Energy Density (20-hr. rate) .....                   | 1.21 W-h/in <sup>3</sup> (73.65 W-h/l) |
| Specific Energy (20-hr. rate) .....                  | 16.90 W-h/lb (37.26 W-h/kg)            |
| Internal Resistance (approx.) .....                  | 7 milliohms                            |
| Max Discharge Current (7 Min.) .....                 | 60 amperes                             |
| Max Short-Duration Discharge Current (10 Sec.) ..... | 200 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-64000, 64000A-C                    |

**Shelf Life & Storage**



**Discharge Time vs. Discharge Current**



**Charging**

**Cycle Applications:** Limit initial current to 6A. 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 200mA. 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.

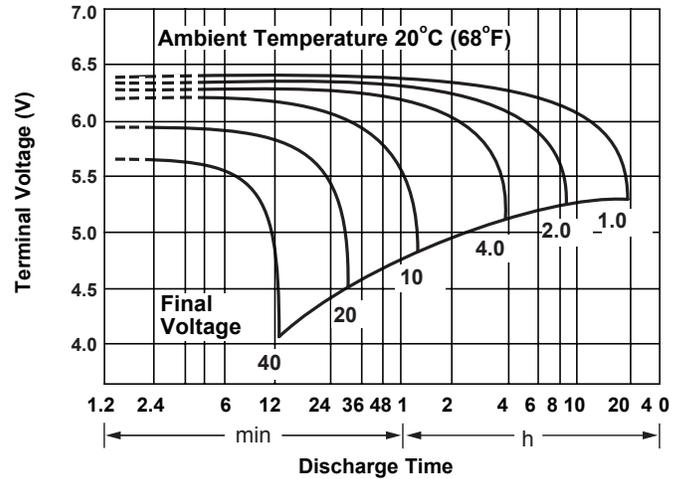
**Chargers**

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.

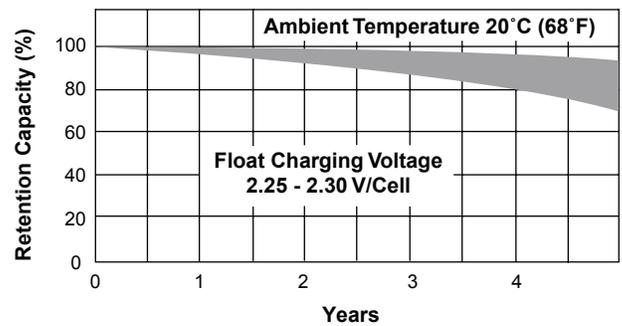
**Contact Information**

Distributed by:  
**MICROBATTERY.COM**, 7350 NW 35th Terrace, Miami, Florida 33122  
 Customer Service: 1-866-999-2355 | Phone: 1-305-371-9200 | Fax: 1-305-371-9400  
[www.microbattery.com](http://www.microbattery.com)

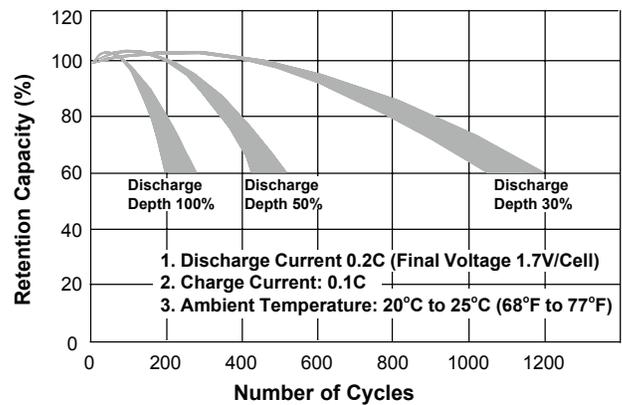
**Discharge Characteristics**



**Life Characteristics in Stand-By Use**



**Life Characteristics in Cyclic Use**



**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..