

## PS-12750 12 Volt 75.0 AH Rechargeable Sealed Lead Acid Battery



We've Got The Power.™



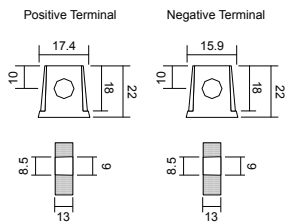
### Features

- 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)
- Integrated ABS carrying handles for ease of movement
- 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

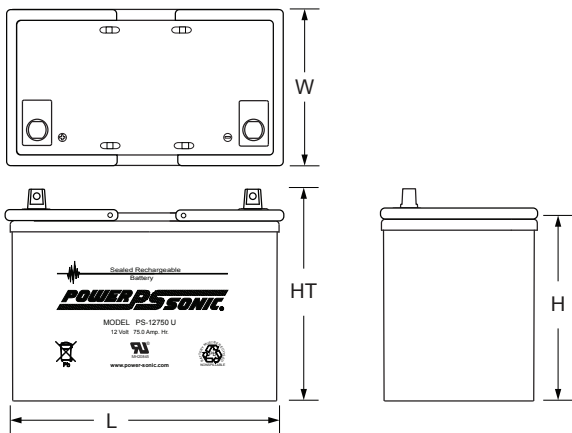
### Terminals

(mm)

- U: Universal terminals: Heavy-duty posts with 'nut & bolt' fasteners



### Physical Dimensions: in (mm)



L: 10.25 (260) W: 6.60 (168) H: 8.15 (207) HT: 8.98 (228)

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

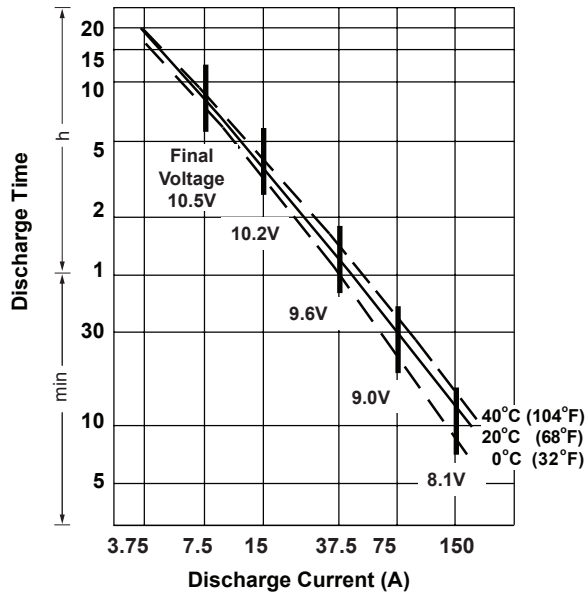
### Performance Specifications

|   |  |
|---|--|
| <b>Nominal Voltage</b> .....                                | 12 volts (6 cells)                     |
| <b>Nominal Capacity</b>                                     |  |
| 20-hr. (3.75A to 10.50 volts) .....                         | 75.0 AH                                |
| 10-hr. (7.2A to 10.50 volts) .....                          | 72.0 AH                                |
| 5-hr. (13.6A to 10.20 volts) .....                          | 68.0 AH                                |
| 1-hr. (47A to 9.00 volts) .....                             | 47.0 AH                                |
| 15-min. (160A to 9.00 volts) .....                          | 40.0 AH                                |
| <b>Approximate Weight</b> .....                             | 50.60 lbs. (22.95 kg)                  |
| <b>Energy Density</b> (20-hr. rate) .....                   | 1.63 W-h/in <sup>3</sup> (99.61 W-h/l) |
| <b>Specific Energy</b> (20-hr. rate) .....                  | 17.79 W-h/lb (39.21 W-h/kg)            |
| <b>Internal Resistance</b> (approx.) .....                  | 6 milliohms                            |
| <b>Max Discharge Current</b> (7 Min.) .....                 | 225.0 amperes                          |
| <b>Max Short-Duration Discharge Current</b> (10 Sec.) ..... | 560.0 amperes                          |
| <b>Shelf Life</b> (% of nominal capacity at 68°F (20°C))    |  |
| 1 Month .....   | 97%                                    |
| 3 Months .....  | 91%                                    |
| 6 Months .....  | 83%                                    |
| <b>Operating Temperature Range</b>                          |  |
| Charge .....  | -4°F (-20°C) to 122°F (50°C)           |
| Discharge .....   | -40°F (-40°C) to 140°F (60°C)          |
| <b>Case</b> .....   | ABS Plastic                            |
| <b>Power-Sonic Chargers</b> .....                           | PSC-1210000A-C                         |

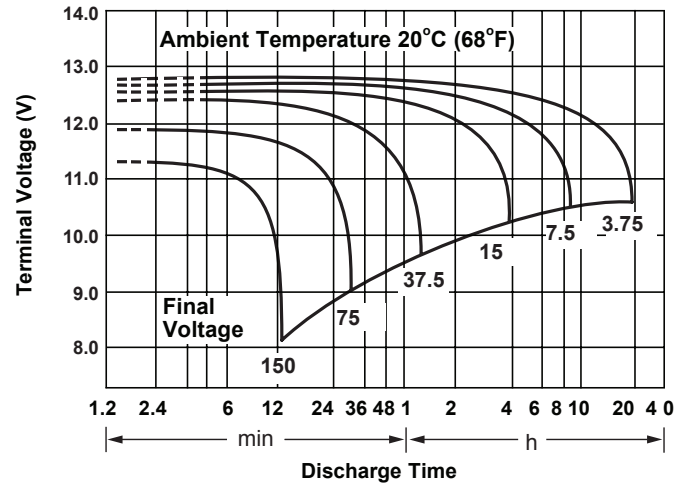
**Constant Power Discharge Ratings**

| MODEL           | FINAL VOLTAGE | WATTS PER CELL @ 25° C |        |        |        |        |        |        |
|-----------------|---------------|------------------------|--------|--------|--------|--------|--------|--------|
|                 |               | 5 MIN                  | 10 MIN | 15 MIN | 20 MIN | 30 MIN | 45 MIN | 60 MIN |
| <b>PS-12750</b> | 1.75          | 480                    | 339    | 270    | 220    | 168    | 126    | 102    |
|                 | 1.70          | 509                    | 356    | 278    | 231    | 171    | 128    | 103    |
|                 | 1.67          | 518                    | 360    | 282    | 233    | 173    | 130    | 106    |

**Discharge Time vs. Discharge Current**



**Discharge Characteristics**



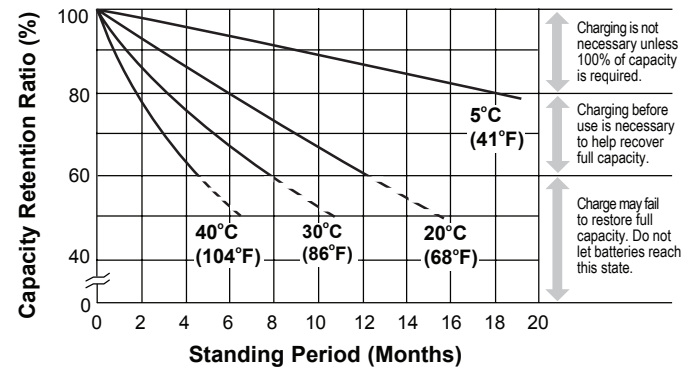
**Charging**

**Cycle Applications:** Limit initial current to 22.5A. 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 750mA. 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.

**Shelf Life & Storage**



**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..

**Contact Information**

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

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