

**POWER  SONIC**

## Rechargeable Sealed Lead-Acid Battery

# PS-12750

## 12 Volt 75 Amp. Hrs.



### Features:

- Absorbent Glass Mat (AGM) technology for superior performance.
- Valve regulated, spill-proof construction.
- Power/volume ratio yielding unrivaled energy density.
- Built-in (recessed) battery handles for safe and easy transport
- 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.

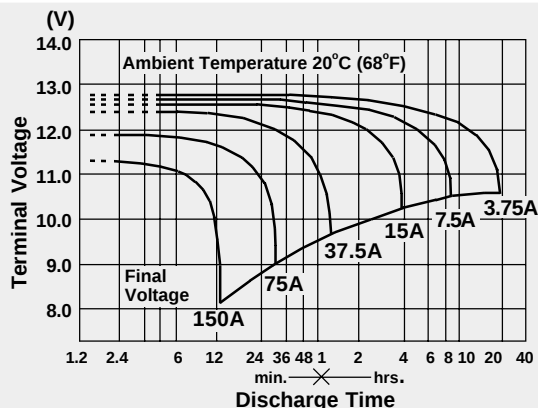


### PERFORMANCE SPECIFICATIONS

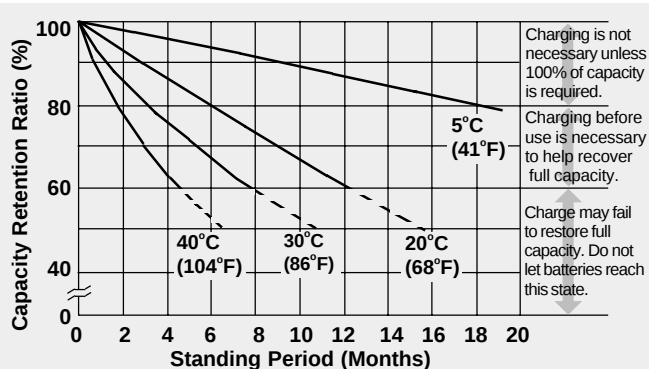
|                                                           |                                                                                       |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------|
| Nominal Voltage.....                                      | 12 volts (6 cells in series)                                                          |
| Nominal Capacity                                          |                                                                                       |
| 20 hour rate (3.75A to 10.50 volts) .....                 | 75.0 A.H.                                                                             |
| 10 hour rate (7.20A to 10.50 volts) .....                 | 72.0 A.H.                                                                             |
| 5 hour rate (13.6A to 10.20 volts) .....                  | 68.0 A.H.                                                                             |
| 1 hour rate (47.0A to 9.00 volts) .....                   | 47.0 A.H.                                                                             |
| 15 min rate (160.0A to 9.00 volts) .....                  | 40.0 A.H.                                                                             |
| Approximate Weight.....                                   | 55.0 pounds (25.00 kg)                                                                |
| Energy Density (20 hour rate).....                        | 1.63 Watt-hours/cubic inch (99.5 Watt-hours/l)                                        |
| Specific Energy (20 hour rate).....                       | 16.4 Watt-hours/pound (36.0 Watt-hours/kg)                                            |
| Internal Resistance (Fully Charged Battery).....          | 4.5 milliohms (approximately)                                                         |
| Maximum Discharge Current ( 7 Min.) .....                 | 225 amperes                                                                           |
| Maximum Short-Duration Discharge Current ( 10 Sec.) ..... | 750 amperes                                                                           |
| Terminals.....                                            | "U" - Universal terminals: heavy duty terminal posts with nut & bolt ("NB") fasteners |
| 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 (50°C)                                                          |
| Case.....                                                 | ABS Plastic                                                                           |

| 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 |
| PS-12750                         | 1.75          | 470                    | 335    | 266    | 218    | 165    | 125    | 100    |
|                                  | 1.70          | 504                    | 352    | 270    | 228    | 169    | 127    | 102    |
|                                  | 1.67          | 514                    | 357    | 274    | 230    | 172    | 129    | 104    |

### Discharge Characteristics



### Shelf Life and Storage



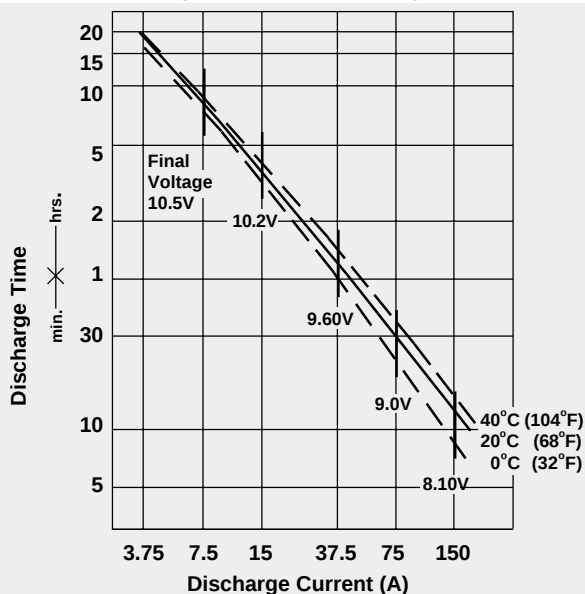
### CHARGING

**Cycle Applications:** Limit initial current to 22.5A. Charge until battery voltage (under charge) reaches 14.40 to 14.70 volts at 68°F (20°C). Hold at 14.40 to 14.70 volts until current drops to approximately 750mA.

**"Float" or "Stand-By" Service:** Hold battery across constant voltage source of 13.50 to 13.80 volts continuously.

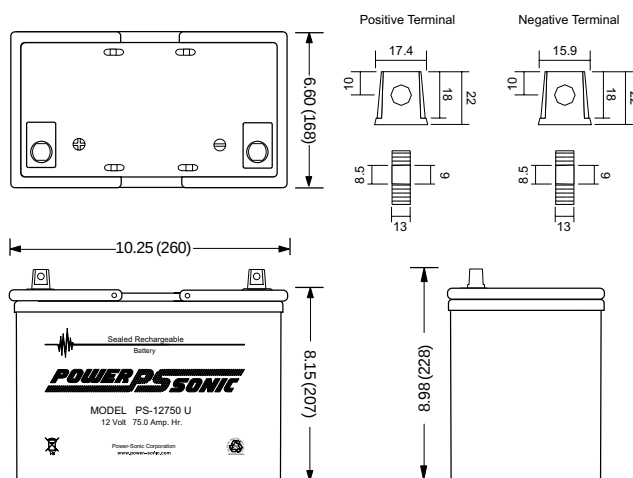
**NOTE:** Due to the self-discharge characteristics of this type of battery, it is imperative that they be charged after 6-9 months of storage, otherwise permanent loss of capacity might occur as a result of sulfation.

### Discharge Time vs. Discharge Current



Physical Dimensions: in. (mm)

Terminals



Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions.

All data subject to change without notice.

**POWER SONIC**

SALES & MARKETING  
3106 Spring Street  
Redwood City, CA 94063 USA  
Tel: 650-364-5001 Fax: 650-366-3662  
national-sales@power-sonic.com



ISO9001-2000  
FM39170

www.power-sonic.com

CUSTOMER SERVICE  
9163 Siempre Viva Road  
San Diego, CA 92154 USA  
Tel: 619-661-2030 Fax: 619-661-3648  
customer-service@power-sonic.com