



# 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 ration 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 component.

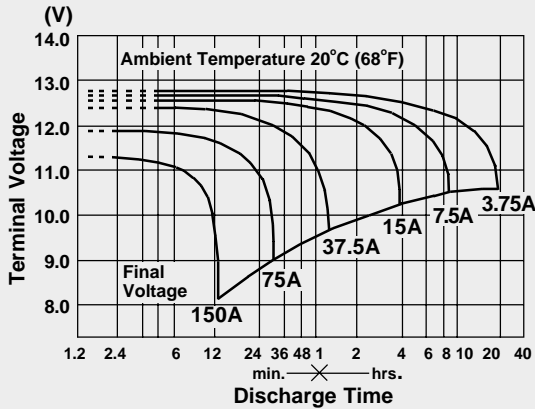


### PERFORMANCE SPECIFICATIONS

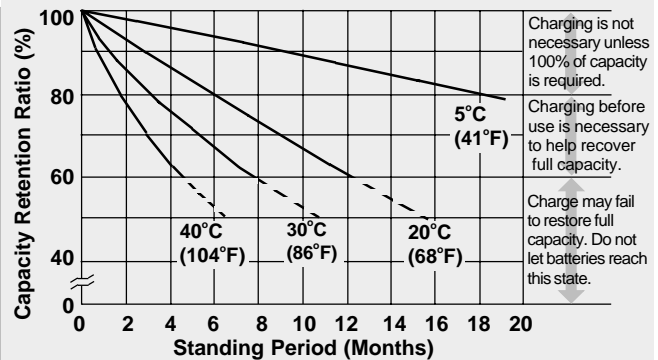
<b>Nominal Voltage</b> .....	12 volts (6 cells in series)
<b>Nominal Capacity</b>	
20 hour rate (4.00A to 10.50 volts) .....	80 A.H.
10 hour rate (7.50A to 10.50 volts) .....	75 A.H.
5 hour rate (14.2A to 10.20 volts) .....	71 A.H.
1 hour rate (50.0A to 9.00 volts) .....	50 A.H.
15 min rate (172A to 9.00 volts) .....	43 A.H.
<b>Approximate Weight</b> .....	58.0 pounds (26.4 kg)
<b>Energy Density (20 hour rate)</b> .....	1.74 Watt-hours/cubic inch (106.0 Watt-hours/l)
<b>Specific Energy (20 hour rate)</b> .....	16.6 Watt-hours/pound (36.4 Watt-hours/kg)
<b>Internal Resistance (Fully Charged Battery)</b> .....	3.7 milliohms (approximately)
<b>Maximum Discharge Current ( 7 Min.)</b> .....	225 amperes
<b>Maximum Short-Duration Discharge Current ( 10 Sec.)</b> .....	750 amperes
<b>Terminals</b> .....	"NB": heavy duty terminal posts w. nut & bolt fasteners
<b>Shelf Life — % of nominal capacity at 68° F (20° C)</b>	
1 Month.....	97%
3 Months.....	91%
6 Months.....	83%
<b>Operating Temperature Range</b>	
<b>Charge</b> .....	-4°F (-20°C) to 122°F (50°C)
<b>Discharge</b> .....	-4°F (-20°C) to 140°F (50°C)
<b>Case</b> .....	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	480	339	270	220	168	126	102
	1.75	509	356	278	231	171	128	103
	550	518	360	282	233	173	130	106

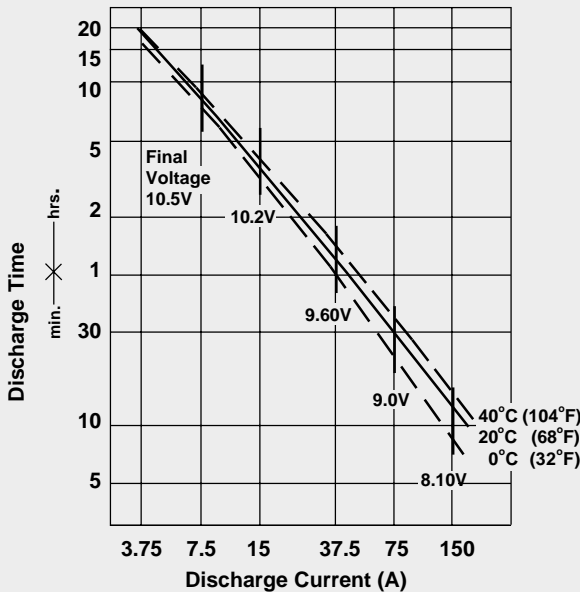
*Discharge Characteristics*



*Shelf Life and Storage*



*Discharge Time vs. Discharge Current*



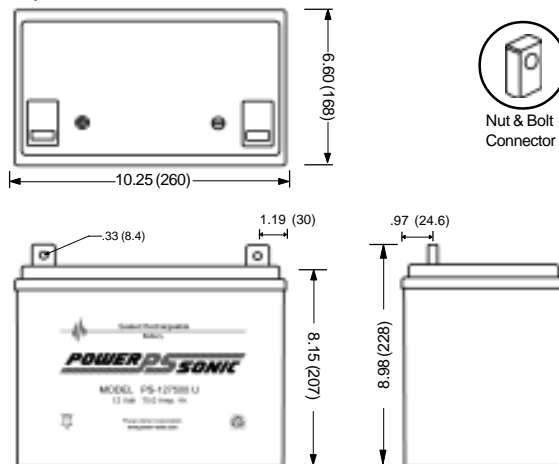
**CHARGING**

**Cycle Applications:** Limit initial current to 20A. 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.

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.



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