



## Rechargeable Sealed Lead-Acid Battery

# PS-1221S

## 12 Volt 2.0 Amp. Hrs.



### 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.
- 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

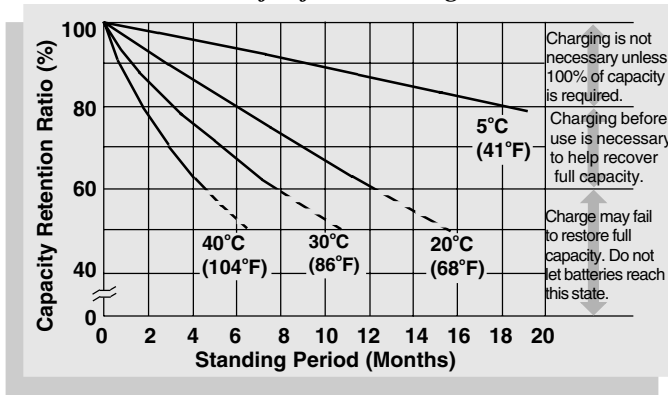
<b>Nominal Voltage</b> .....	12 volts (6 cells in series)
<b>Nominal Capacity</b>	
20 hour rate (100mA to 10.50 volts) .....	2.00 A.H.
10 hour rate (190mA to 10.50 volts) .....	1.90 A.H.
5 hour rate (340mA to 10.20 volts) .....	1.70 A.H.
1 hour rate (3.92A to 9.00 volts) .....	1.24 A.H.
15 min. rate (3.33A to 9.00 volts) .....	0.98 A.H.
<b>Approximate Weight</b> .....	1.50 pounds (0.68 kg)
<b>Energy Density (20 hour rate)</b> .....	1.46 Watt-hours/cubic inch (89.29 Watt-hours/l)
<b>Specific Energy (20 hour rate)</b> .....	16.0 Watt-hours/pound (35.3 Watt-hours/kg)
<b>Internal Resistance (Fully Charged Battery)</b> .....	85 milliohms (approximately)
<b>Maximum Discharge Current ( ≤ 5 Sec.)</b> .....	18.0 amperes
<b>Maximum Short-Duration Discharge Current ( ≤ .1 Sec.)</b> .....	54.0 amperes
<b>Terminals</b> .....	"F1/0"
<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 (60°C)
<b>Case</b> .....	ABS Plastic

To ensure safe and efficient operation always refer to the latest edition of our Technical Manual, as published on our website.

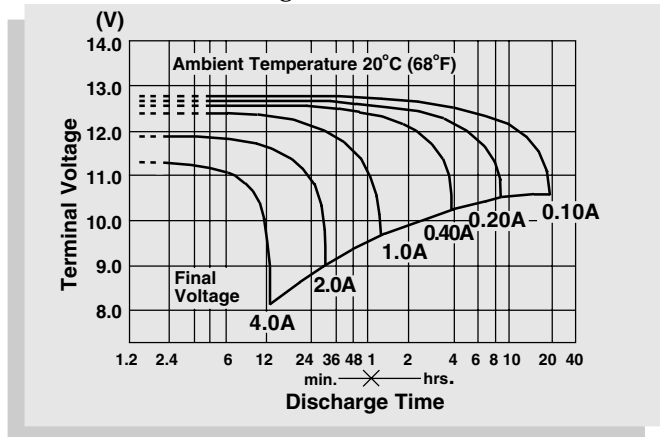
TECHNICAL DATA:

PS-1221S

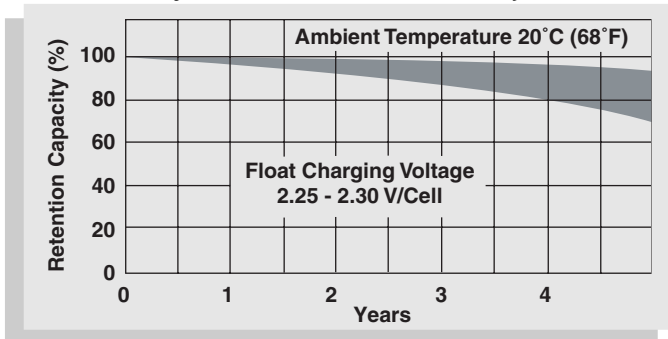
*Shelf Life and Storage*



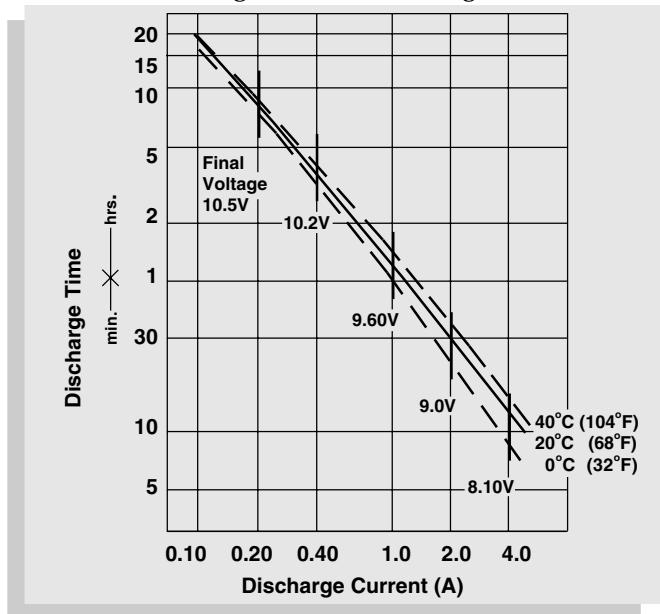
*Discharge Characteristics*



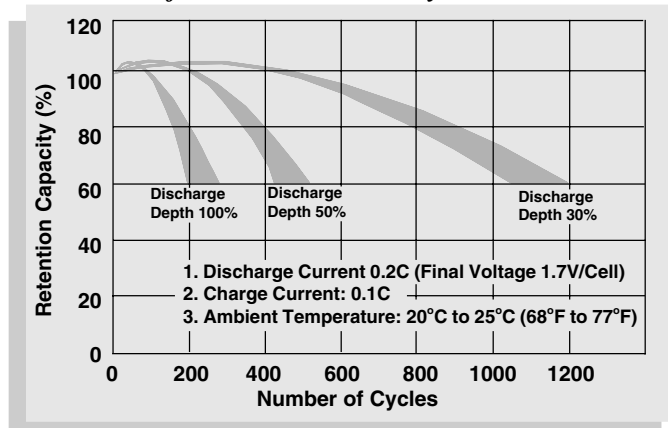
*Life Characteristics in Stand-By Use*



*Discharge Time vs. Discharge Current*



*Life Characteristics in Cyclic Use*



**CHARGING**

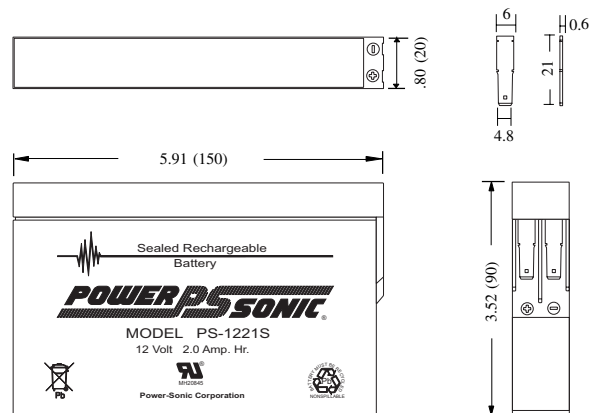
**Cycle Applications:** Limit initial current to 400mA. Charge until battery voltage (under charge) reaches 14.40 to 14.70 volts at 68°F (20°C). Hold at 14.40 to 14.70 volts until current drops to approximately 20mA. Battery is fully charged under these conditions, and charger should either be disconnected or switched to "float" voltage.

**"Float" or "Stand-By" Service:** Hold battery across constant voltage source of 13.50 to 13.80 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 after 6-9 months of storage, otherwise permanent loss of capacity might occur as a result of sulfation.

Physical Dimensions: in. (mm)

Terminals: F1/0 (mm)



Tolerances for battery are +/-0.08" (+/- 2mm).  
All data subject to change without notice.



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