



Rechargeable Sealed Lead-Acid Battery

PS-1250

12 Volt 5.0 Amp. Hrs.



Features:

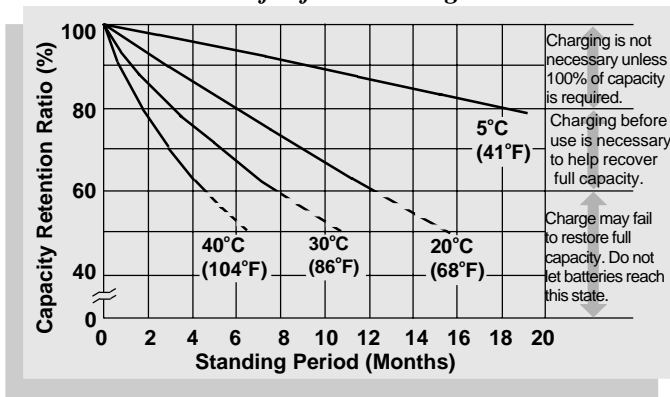
- Absorbent Glass Mat (AGM) technology for superior performance.
- Valve regulated, spill-proof construction.
- Power/volume ratio yielding unrivaled energy density.
- Rugged ABS plastic case and cover.
- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified.
- U.L. recognized under file number MH 14328.



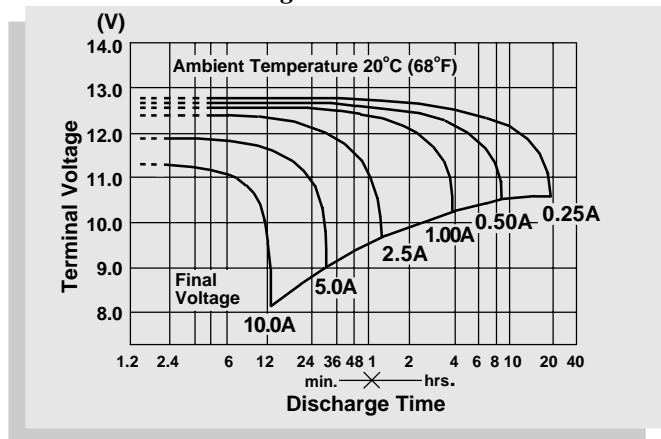
PERFORMANCE SPECIFICATIONS

Nominal Voltage	12 volts (6 cells in series)
Nominal Capacity	
20 hour rate (250mA to 10.50 volts)	5.0 A.H.
10 hour rate (470mA to 10.50 volts)	4.7 A.H.
5 hour rate (900mA to 10.20 volts)	4.5 A.H.
1 hour rate (3800mA to 9.00 volts)	3.8 A.H.
Approximate Weight	4.10 pounds (1.9 kg)
Energy Density (20 hour rate)	1.53 Watt-hours/cubic inch (93.4 Watt-hours/l)
Specific Energy (20 hour rate)	14.5 Watt-hours/pound (32.0 Watt-hours/kg)
Internal Resistance (Fully Charged Battery)	17.3 milliohms (approximately)
Maximum Discharge Current (≤ 7 Min.)	15.0 amperes
Maximum Short-Duration Discharge Current (≤ 10 Sec.)	50.0 amperes
Terminals	F1": Quick disconnect tabs, 0.187" x 0.032", mate with AMP. INC. FASTON "187" F2": Quick disconnect tabs, 0.250" x 0.032", mate with AMP. INC. FASTON "250"
Vibration Test (2000 cycles/minute, 0.10 inch excursion, 2 hours)	No loss in capacity or performance
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 (60°C)
Case	ABS Plastic

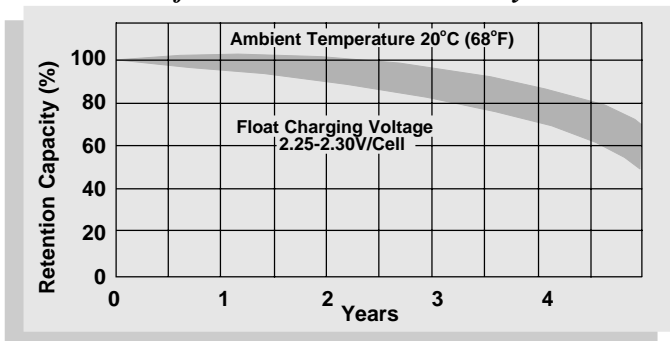
Shelf Life and Storage



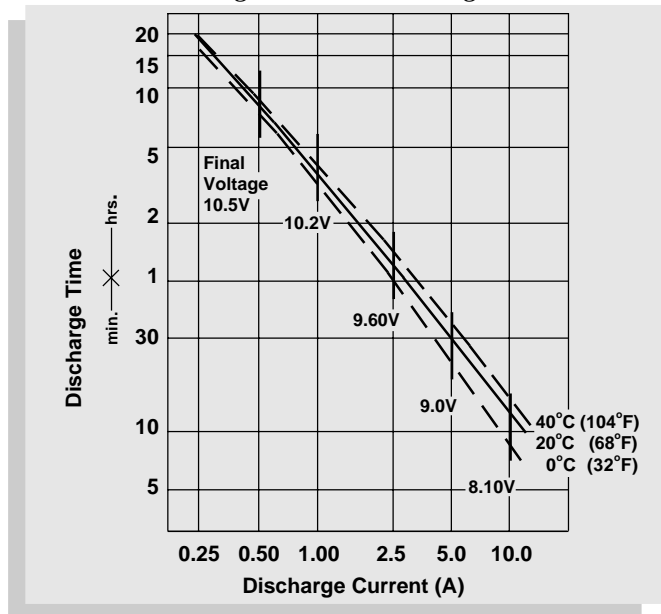
Discharge Characteristics



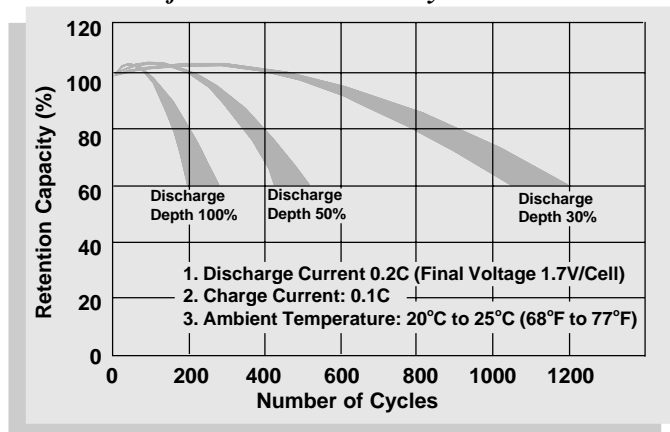
Life Characteristics in Stand-By Use



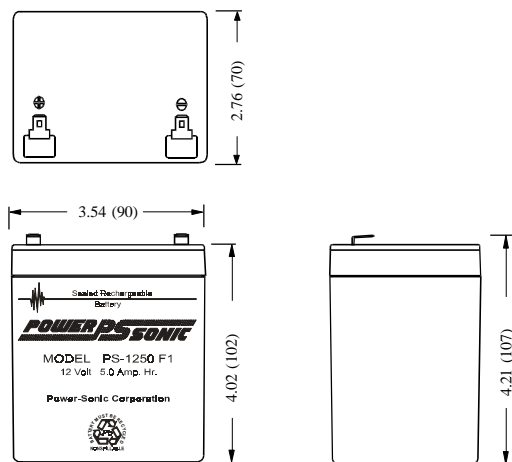
Discharge Time vs. Discharge Current



Life Characteristics in Cyclic Use



Physical Dimensions: in. (mm)



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

CHARGING

Cycle Applications: Limit initial current to 1000mA. 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 50mA. 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.



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



www.power-sonic.com

ISO9002
FM39170
FM39171

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