

Rechargeable Sealed Lead-Acid Battery

PS-6120 Toy 6 Volt 13.0 Amp. Hrs.



Features:

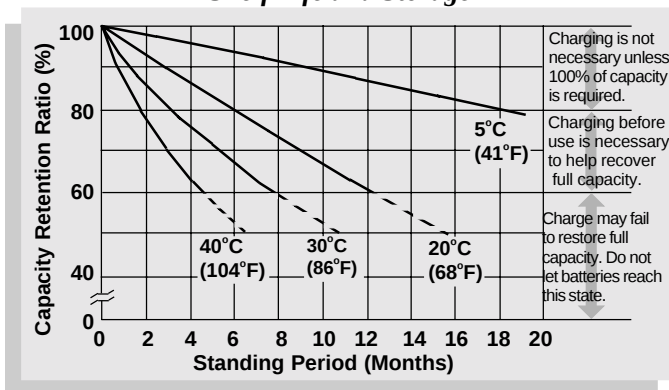
- Absorbent Glass Mat (AGM) technology for superior performance.
- Valve regulated, spill-proof construction.
- Power/volume ratio yielding unrivaled energy density.
- Perfect for ride-on toys with either S-type or H-type connectors.
- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified.
- U.L. recognized under file number MH 20845.



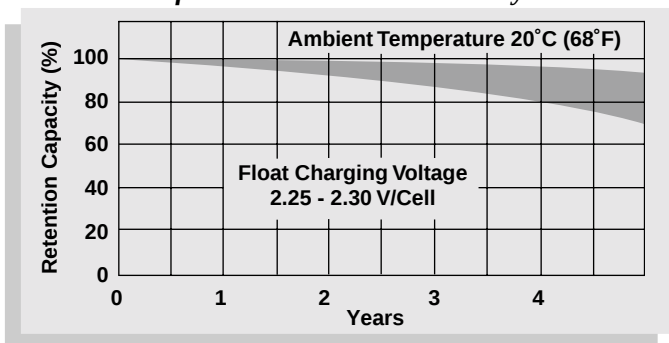
PERFORMANCE SPECIFICATIONS

Nominal Voltage.....	6 volts (3 cells in series)
Nominal Capacity	
20 hour rate (650mA to 5.25 volts)	13.0 A.H.
10 hour rate (1.22A to 5.25 volts)	12.2 A.H.
5 hour rate (2.21A to 5.10 volts)	11.5 A.H.
1 hour rate (8.0A to 4.50 volts)	8.00 A.H.
15 min rate (25.5A to 4.50 volts)	6.40 A.H.
Approximate Weight.....	5.3 pounds (2.4 kg)
Energy Density (20 hour rate).....	1.18 Watt-hours/cubic inch (72.1 Watt-hours/l)
Specific Energy (20 hour rate).....	14.7 Watt-hours/pound (32.5 Watt-hours/kg)
Internal Resistance (Fully Charged Battery).....	10 milliohms (approximately)
Maximum Discharge Current (≤ 5 Min.).....	39 amperes
Maximum Short-Duration Discharge Current (≤ 5 Sec.).....	130 amperes
Terminals.....	PS-6120 TH - Wire leads with H-type connector - see drawing PS-6120 TS - Wire leads with S-type connector - see drawing
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

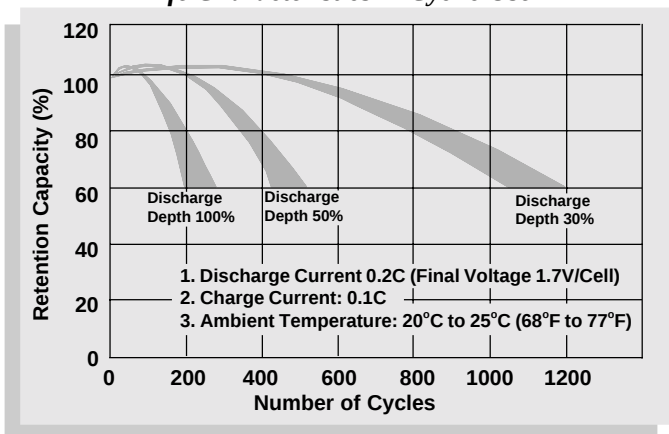
Shelf Life and Storage



Life Characteristics in Stand-By Use



Life Characteristics in Cyclic Use



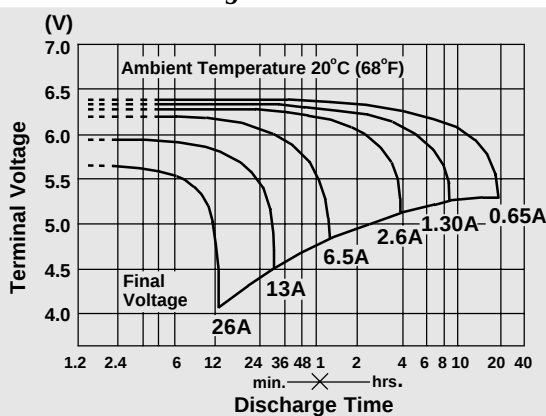
CHARGING

Cycle Applications: Limit initial current to 3.75A. Charge until battery voltage (under charge) reaches 7.20 to 7.35 volts at 68°F (20°C). Hold at 7.20 to 7.35 volts until current drops to approximately 130mA. Battery is fully charged under these conditions, and charger should either be disconnected or switched to "float" voltage.

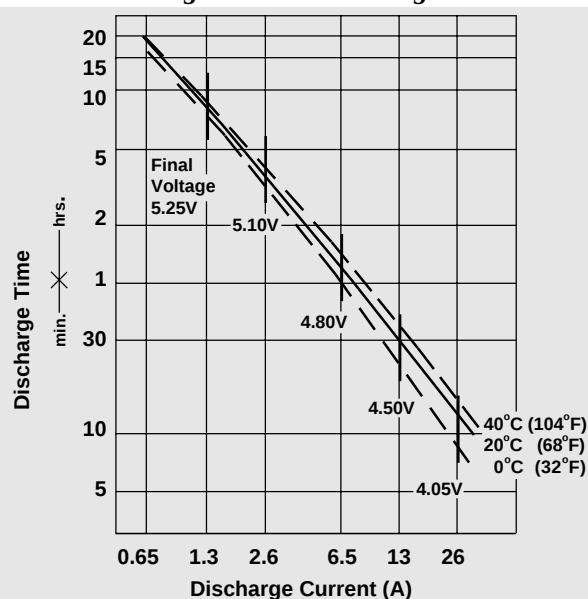
"Float" or "Stand-By" Service: Hold battery across constant voltage source of 6.75 to 6.90 volts continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

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.

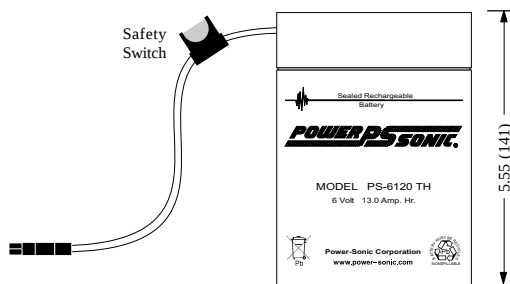
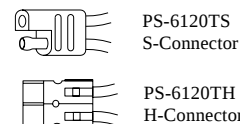
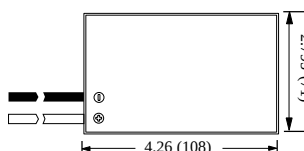
Discharge Characteristics



Discharge Time vs. Discharge Current



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.

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