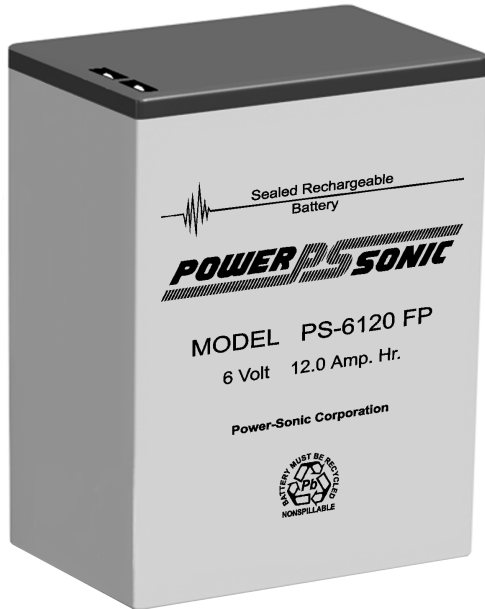


## Rechargeable Sealed Lead-Acid Battery



# PS-6120

## 6 Volt 12.0 Amp. Hrs.

### Features:

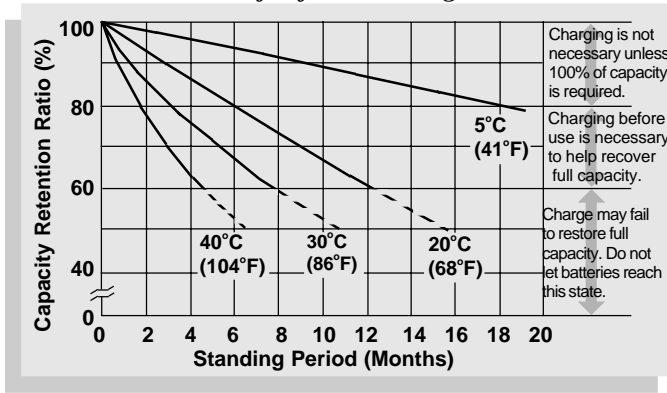
- Absorbent Glass Mat (AGM) technology for superior performance.
- Valve regulated, spill-proof construction.
- Power/volume ratio yielding unrivaled energy density.
- Perfect for ride-on toys with either S-type or H-type connectors.
- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified.
- U.L. recognized under file number MH 14328.



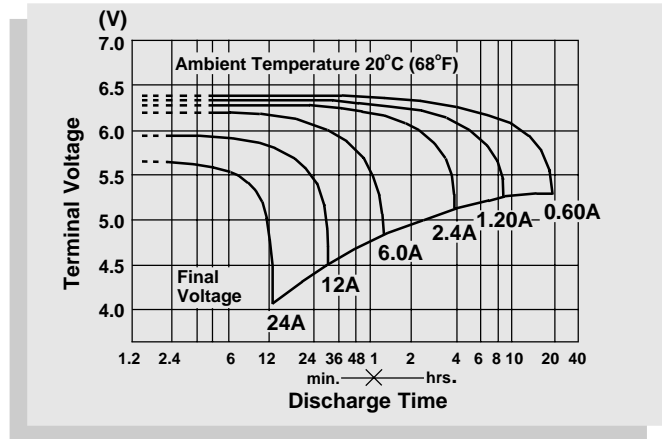
### PERFORMANCE SPECIFICATIONS

Nominal Voltage.....	6 volts (3 cells in series)
<b>Nominal Capacity</b>	
20 hour rate (600mA to 5.25 volts) .....	12.0 A.H.
10 hour rate (1100mA to 5.25 volts) .....	11.0 A.H.
5 hour rate (2000mA to 5.10 volts) .....	10.0 A.H.
1 hour rate (7000mA to 4.50 volts) .....	7.00 A.H.
<b>Approximate Weight</b> .....	5.2 pounds (2.4 kg)
<b>Energy Density (20 hour rate)</b> .....	1.11 Watt-hours/cubic inch (67.29 Watt-hours/l)
<b>Specific Energy (20 hour rate)</b> .....	13.85 Watt-hours/pound (30.00 Watt-hours/kg)
<b>Internal Resistance (Fully Charged Battery)</b> .....	20 milliohms (approximately)
<b>Maximum Discharge Current ( ≤ 5 Min.)</b> .....	36 amperes
<b>Maximum Short-Duration Discharge Current ( ≤ 5 Sec.)</b> .....	120 amperes
<b>Terminals</b> .....	Polarized quick disconnect "FASTON" tabs - Positive: 0.250" x 0.032" Negative: 0.187" x 0.020" PS-6120 TH and PS-6120 TS Toy batteries - Wire Leads with H-Type or S-Type connector
<b>Vibration Test (2000 cycles/minute, 0.10 inch excursion, 2 hours)</b> .....	No loss in capacity or performance
<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> .....	High-impact Polystyrene

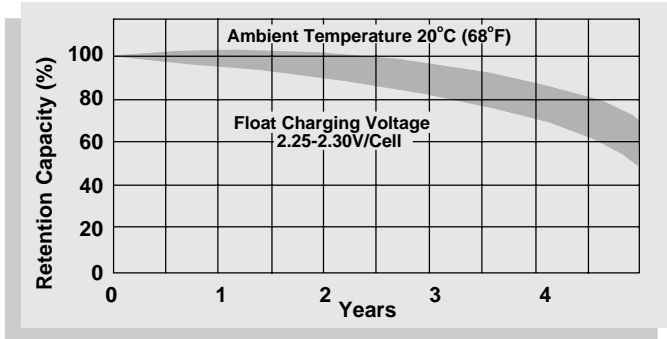
**Shelf Life and Storage**



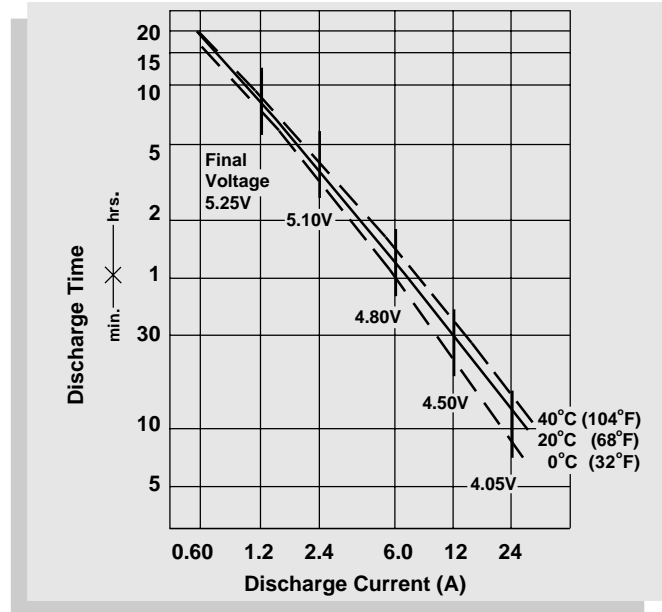
**Discharge Characteristics**



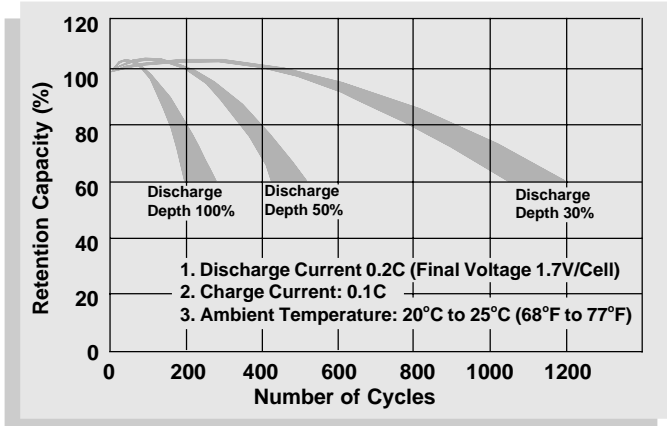
**Life Characteristics in Stand-By Use**



**Discharge Time vs. Discharge Current**



**Life Characteristics in Cyclic Use**



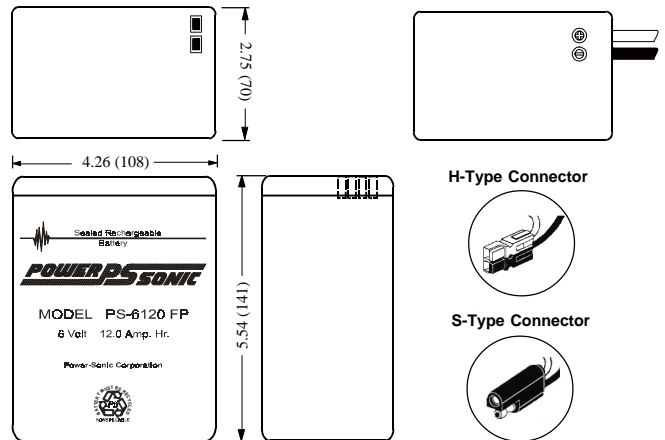
**CHARGING**

**Cycle Applications:** Limit initial current to 2400mA. 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 120mA. 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.

Physical Dimensions: in. (mm)

Toy Batteries



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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FM39170  
FM39171

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