

Rechargeable Sealed Lead-Acid Battery

PS-650

6 Volt 5.0 Amp. Hrs.



Features:

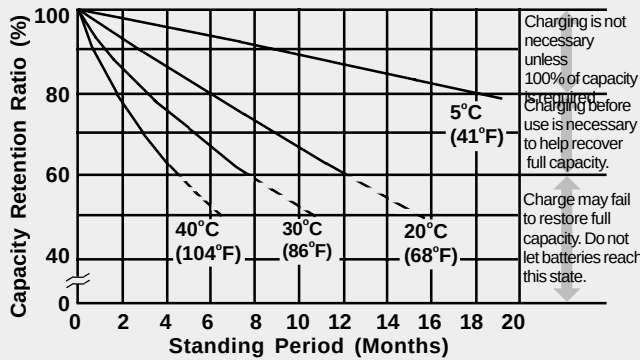
- Absorbent Glass Mat (AGM) technology for superior performance.
- Automatically resetting circuit breaker to protect against short circuits.
- Power/volume ratio yielding unrivaled energy density.
- Rugged ABS plastic case and cover
- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified.
- U.L. recognized under file number MH 20845.



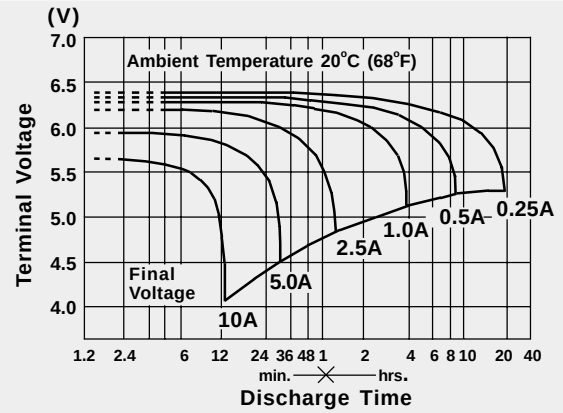
PERFORMANCE SPECIFICATIONS

Nominal Voltage.....	6 volts (3 cells in series)
Nominal Capacity	
20 hour rate (250mA to 5.25 volts).....	5.0 A.H.
10 hour rate (400mA to 5.25 volts).....	4.0 A.H.
5 hour rate (600mA to 5.10 volts).....	3.0 A.H.
1 hour rate (2100mA to 4.50 volts).....	2.1 A.H.
Approximate Weight.....	2.0 pounds (0.9 kg)
Energy Density (20 hour rate).....	1.15 Watt-hours/cubic inch (69.6 Watt-hours/l)
Specific Energy (20 hour rate).....	15.0 Watt-hours/pound (33.0 Watt-hours/kg)
Maximum Discharge Current (5 Min.).....	7.5 amperes
Maximum Short-Duration Discharge Current (5 Sec.).....	n/a - battery is fused for safety
Terminals.....	Fully collapsible spring type terminals
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

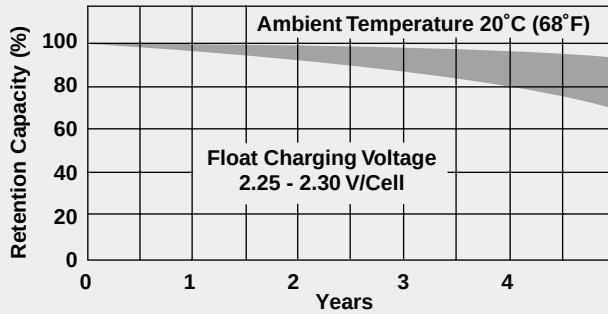
Shelf Life and Storage



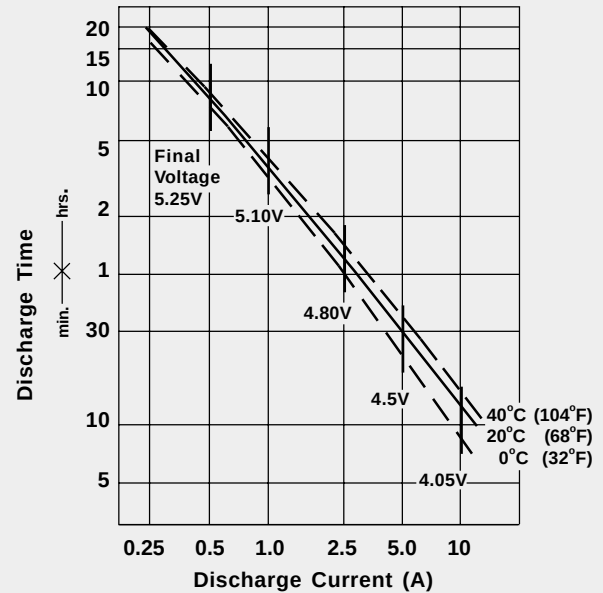
Discharge Characteristics



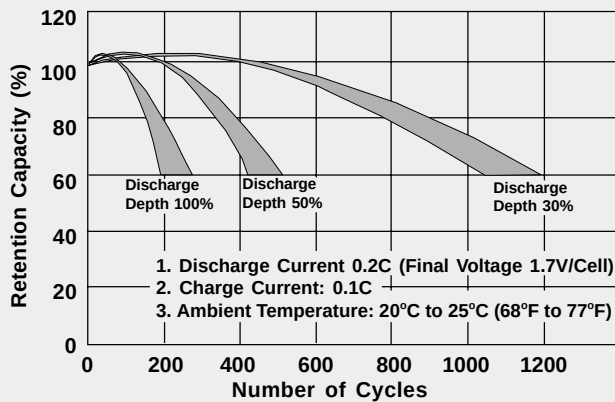
Life Characteristics in Stand-By Use



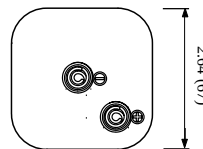
Discharge Time vs. Discharge Current



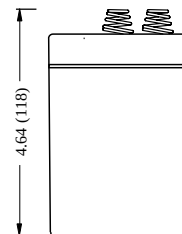
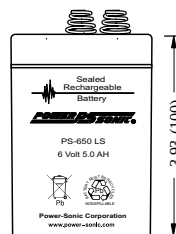
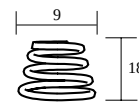
Life Characteristics in Cyclic Use



Physical Dimensions



Terminals: SP (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 1.35mA. 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 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 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.

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