



Rechargeable Sealed Lead-Acid Battery

PS-6580

6 Volt 58.0 Amp. Hrs.



Features:

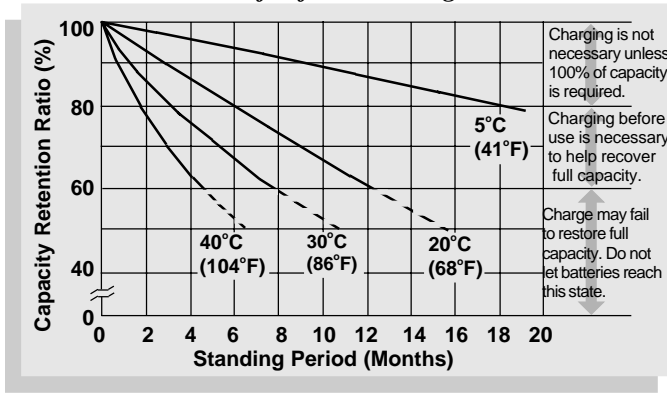
- Absorbent Glass Mat (AGM) technology for superior performance.
- Valve regulated, spill proof construction allows safe operation in any position.
- Power/volume ratio yielding unrivaled energy density.
- Rugged plastic case and cover
- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified.
- U.L. recognized under file number MH 20845.



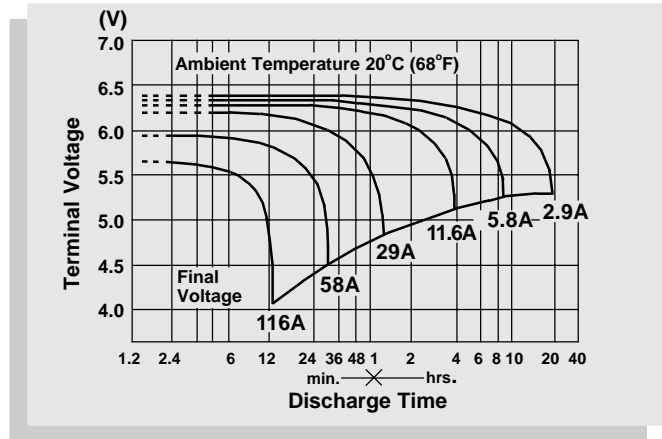
PERFORMANCE SPECIFICATIONS

Nominal Voltage	6 volts (3 cells in series)
Nominal Capacity	
20 hour rate (2.9A to 5.25 volts)	58.0 A.H.
10 hour rate (5.6A to 5.25 volts)	56.0 A.H.
5 hour rate (10A to 5.10 volts)	50.0 A.H.
3 hour rate (15A to 4.5 volts)	45.0 A.H.
1 hour rate (35A to 4.5 volts)	35.0 A.H.
Approximate Weight	21.0 pounds (9.54 kg)
Energy Density (20 hour rate)	1.34 Watt-hours/cubic inch (81.9 Watt-hours/l)
Specific Energy (20 hour rate)	16.6 Watt-hours/pound (36.5 Watt-hours/kg)
Internal Resistance (Fully Charged Battery)	4.7 milliohms (approximately)
Maximum Discharge Current (≤ 7 Min.)	174 amperes
Maximum Short-Duration Discharge Current (≤ 10 Sec.)	580 amperes
Terminals	"F2": Quick disconnect tabs, 0.250" x 0.032", mate with AMP. INC. FASTON "250"
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

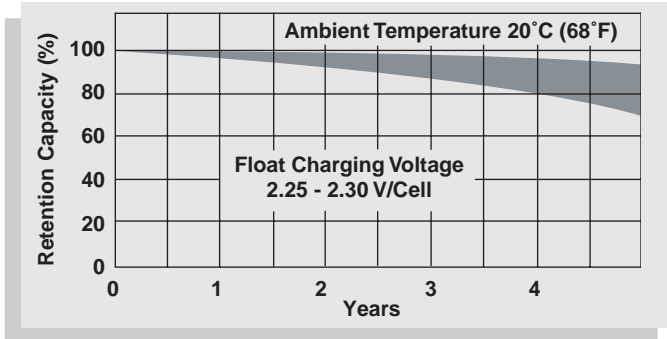
Shelf Life and Storage



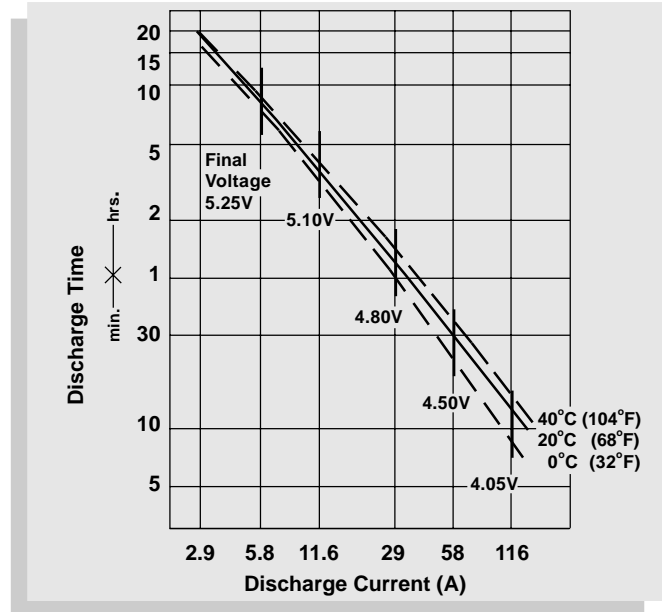
Discharge Characteristics



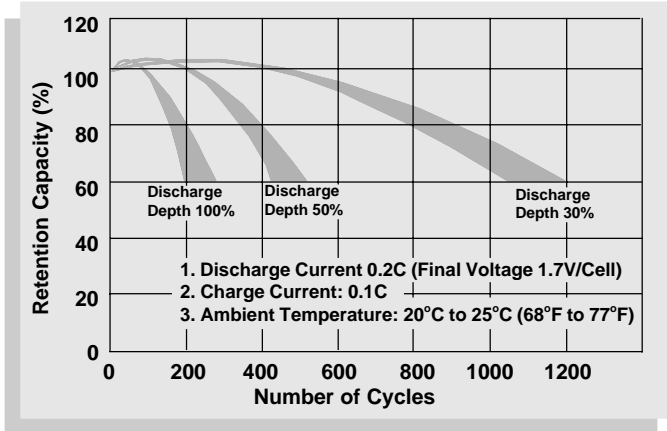
Life Characteristics in Stand-By Use



Discharge Time vs. Discharge Current



Life Characteristics in Cyclic Use



CHARGING

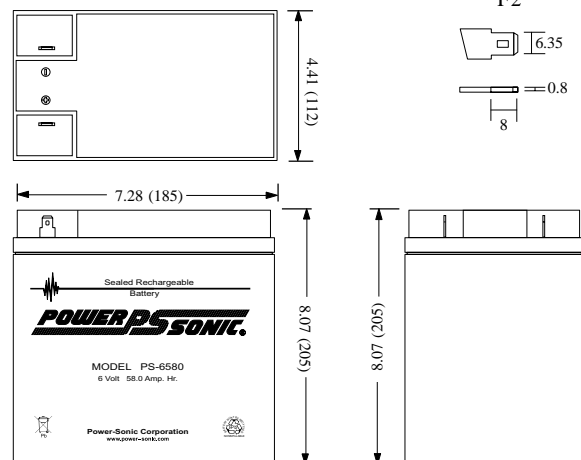
Cycle Applications: Limit initial current to 19.3A. Charge until battery voltage (under charge) reaches 7.20 to 7.35 volts at 68°F (20°C). Hold at 7.20 to 7.35 volts until current drops to approximately 580mA. Battery is fully charged under these conditions, and charger should either be disconnected 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)

Terminals (mm)
F2



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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