



Rechargeable Sealed Lead-Acid Battery

PS-12400

12 Volt 40.0 Amp. Hrs.



Features:

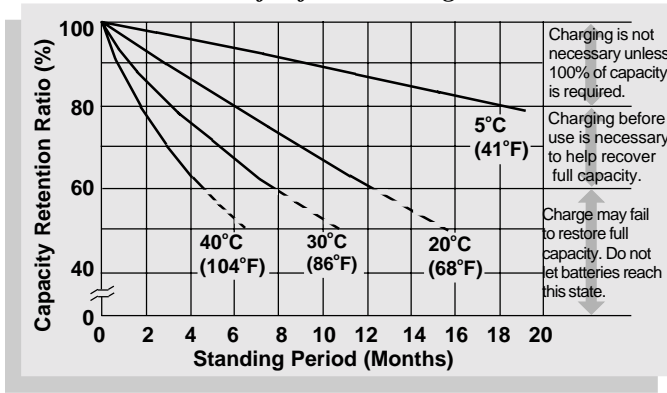
- Absorbent Glass Mat (AGM) technology for superior performance.
- Valve regulated, spill proof construction allows safe operation in any position.
- Power/volume ratio yielding unrivaled energy density.
- Rugged ABS plastic case and cover
- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and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



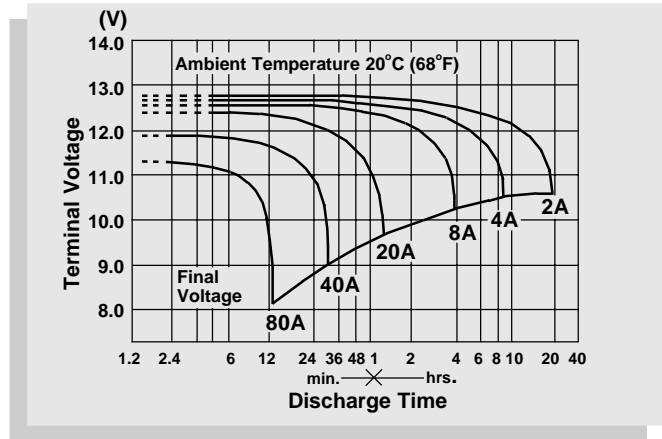
PERFORMANCE SPECIFICATIONS

Nominal Voltage	12 volts (6 cells in series)
Nominal Capacity	
20 hour rate (2.0A to 10.50 volts)	40.0 A.H.
10 hour rate (3.8A to 10.50 volts)	38.0 A.H.
5 hour rate (6.7A to 10.20 volts)	33.5 A.H.
1 hour rate (24.0A to 09.00 volts)	24.0 A.H.
15 min. rate (74.1A to 09.00 volts)	18.5 A.H.
Approximate Weight	30.5 pounds (13.8 kg)
Energy Density (20 hour rate)	1.41 Watt-hours/cubic inch (86.3 Watt-hours/l)
Specific Energy (20 hour rate)	15.7 Watt-hours/pound (34.78 Watt-hours/kg)
Internal Resistance (Fully Charged Battery)	6 milliohms (approximately)
Maximum Discharge Current (≤ 7 Min.)	120 amperes
Maximum Short-Duration Discharge Current (≤ 10 Sec.)	400 amperes
Terminals	M6 nut and bolt 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

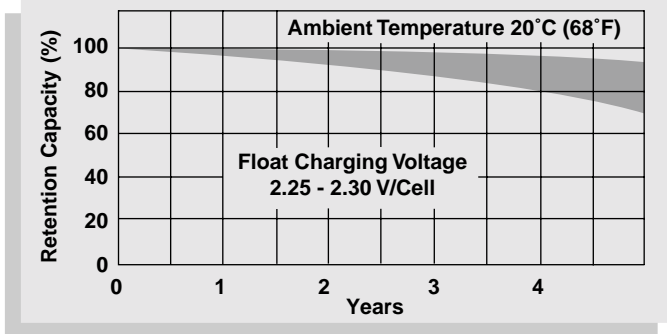
Shelf Life and Storage



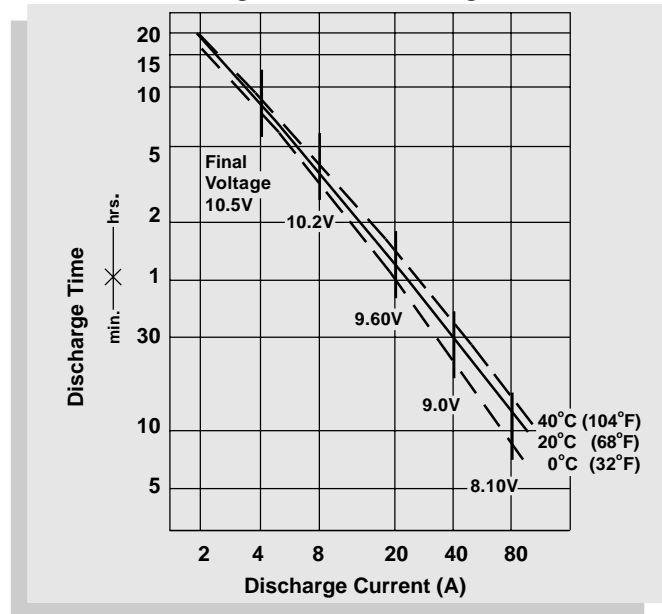
Discharge Characteristics



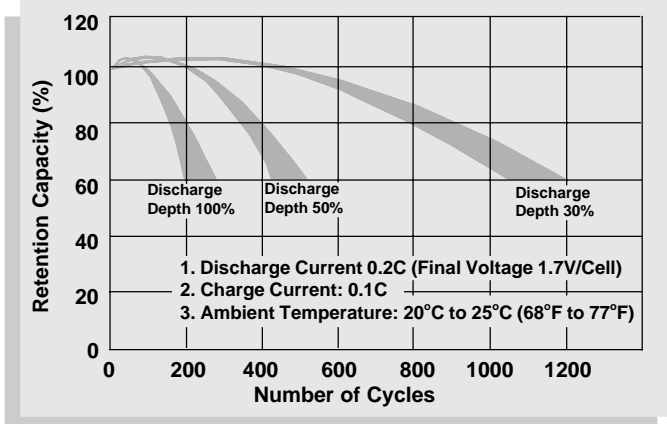
Life Characteristics in Stand-By Use



Discharge Time vs. Discharge Current



Life Characteristics in Cyclic Use



CHARGING

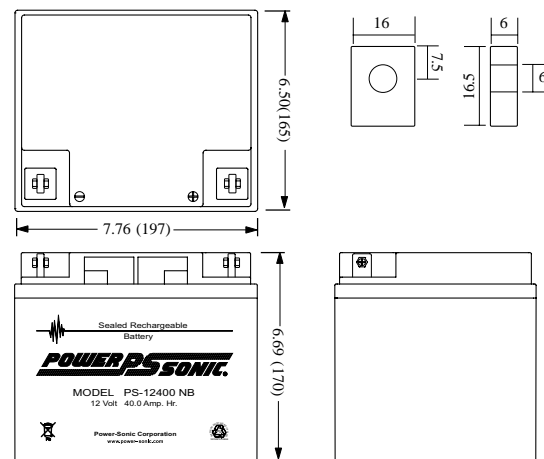
Cycle Applications: Limit initial current to 12A. Charge until battery voltage (under charge) reaches 14.40 to 14.70 volts at 68°F (20°C). Hold at 14.40 to 14.70 volts until current drops to approximately 400mA. Battery is fully charged under these conditions, and charger should either be disconnected 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.

Physical Dimensions: in. (mm)

Terminals (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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