Rechargeable Sealed Lead-Acid Battery

PS-1227

12 Volt 2.9 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	(145mA to 10.50 volts)	2.90 A.H.
10 hour rate	(260mA to 10.50 volts)	2.60 A.H.
5 hour rate	(490mA to 10.20 volts)	2.45 A.H.
1 hour rate	(1800mA to 09.00 volts)	1.80 A.H.
15 min rate	(5680mA to 09.00 volts)	1.42 A.H.

Approximate Weight ..... 2.43 pounds (1.10 kg)

Energy Density (20 hour rate) ..... 1.30 Watt-hours/cubic inch (79.5 Watt-hours/l)

Specific Energy (20 hour rate) ..... 14.3 Watt-hours/pound (31.64 Watt-hours/kg)

Internal Resistance (Fully Charged Battery) ..... 45 milliohms (approximately)

Maximum Discharge Current (≤ 7 Min.) ..... 8.7 amperes

Maximum Short-Duration Discharge Current (≤ 10 Sec.) ..... 29 amperes

Terminals ..... **"F1":**: Quick disconnect tabs, 0.187" x 0.032"- Mate with AMP. INC. FASTON "187" series

Shelf Life — % of nominal capacity at 68° F (20° C)

1 Month	97%
3 Months	91%
6 Months	83%

Operating Temperature Range

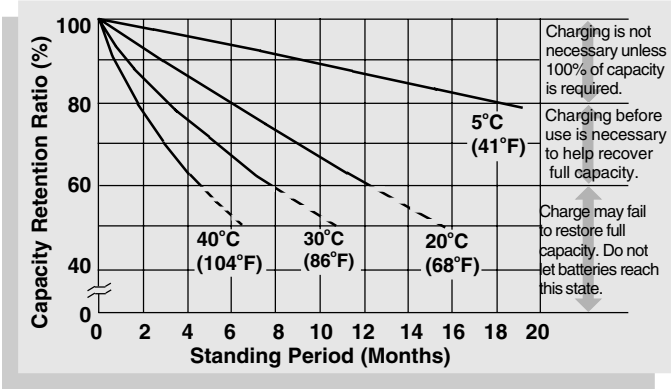
Charge ..... -4°F (-20°C) to 122°F (50°C)

Discharge ..... -4°F (-20°C) to 140°F (60°C)

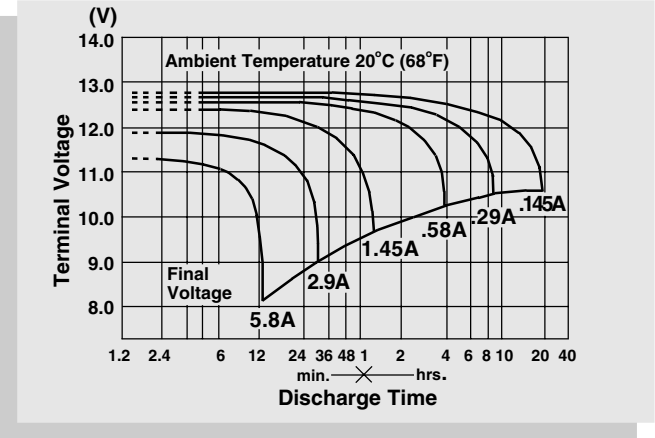
Case ..... ABS Plastic

To ensure safe and efficient operation always refer to the latest edition of our Technical Manual, as published on our website.

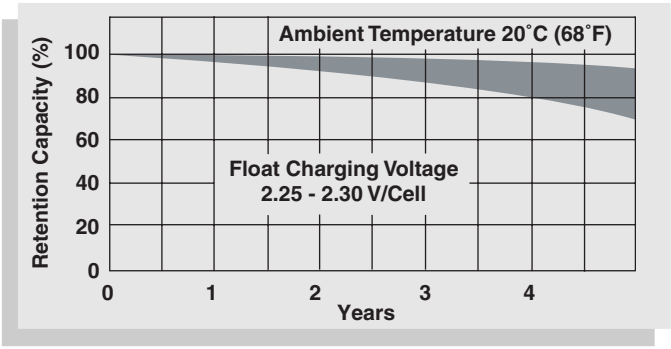
Shelf Life and Storage



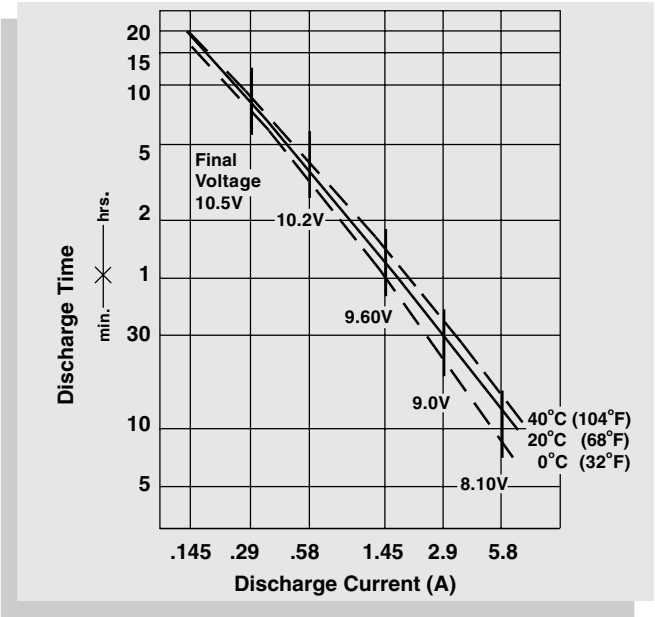
Discharge Characteristics



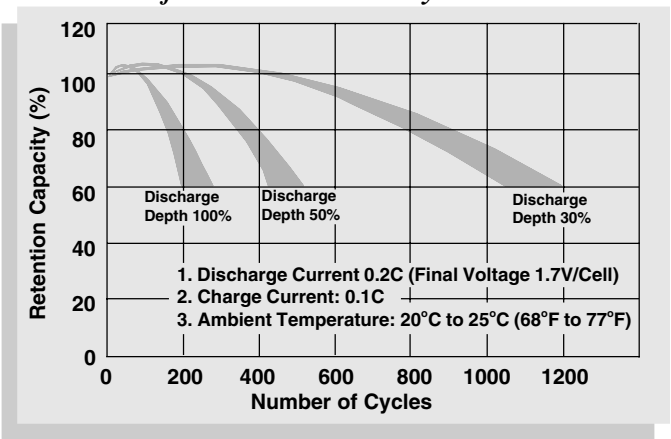
Life Characteristics in Stand-By Use



Discharge Time vs. Discharge Current



Life Characteristics in Cyclic Use



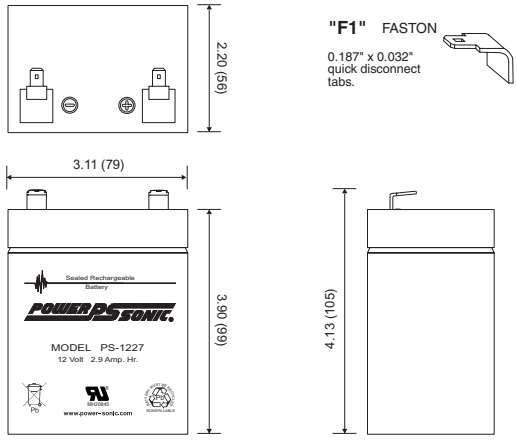
CHARGING

Cycle Applications: Limit initial current to 967mA. 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 29mA. 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:

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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