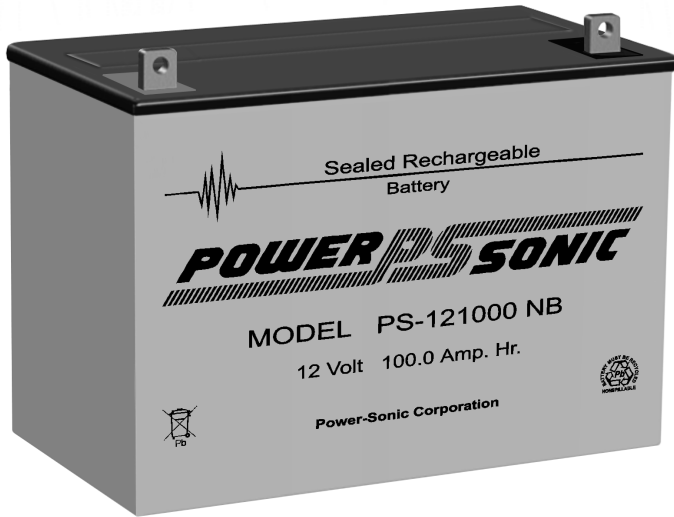


Rechargeable Sealed Lead-Acid Battery

PS-121000 12 Volt 100 Amp. Hrs.



Features:

- Absorbent Glass Mat (AGM) technology for superior performance.
- Valve regulated, spill-proof construction.
- Power/volume ratio yielding unrivaled energy density.
- Multiple terminal options to meet varying application requirements.
- 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.



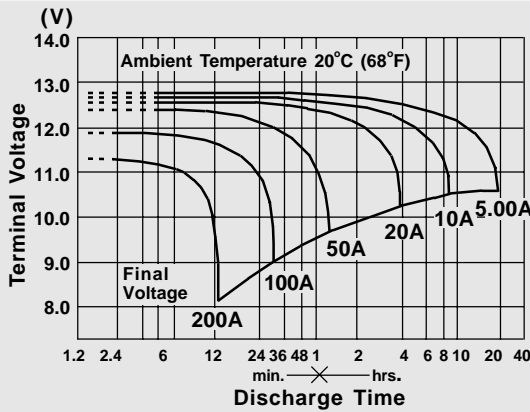
PERFORMANCE SPECIFICATIONS

| | |
|--|---|
| Nominal Voltage | 12 volts (6 cells in series) |
| Nominal Capacity | |
| 20 hour rate (5.00A to 10.50 volts) | 100.0 A.H. |
| 10 hour rate (9.00A to 10.50 volts) | 90.0 A.H. |
| 5 hour rate (17.00A to 10.20 volts) | 85.0 A.H. |
| 1 hour rate (65.00A to 09.00 volts) | 65.0 A.H. |
| Approximate Weight | 65.7 pounds (29.8 kg) |
| Energy Density (20 hour rate) | 1.85 Watt-hours/cubic inch (112.8 Watt-hours/l) |
| Specific Energy (20 hour rate) | 18.3 Watt-hours/pound (40.2 Watt-hours/kg) |
| Internal Resistance (Fully Charged Battery) | 7.4 milliohms (approximately) |
| Maximum Discharge Current (≤ 7 Min.) | 300 amperes |
| Maximum Short-Duration Discharge Current (≤ 10 Sec.) | 1000 amperes |
| Terminal Options | See reverse side |
| Vibration Test (2000 cycles/minute, 0.10 inch excursion, 2 hours) | No loss in capacity or performance |
| 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 | Polypropylene |

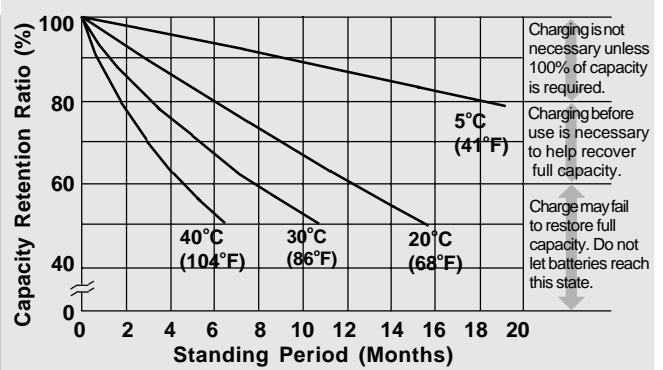
CONSTANT POWER DISCHARGE RATINGS

| MODEL | FINAL VOLTAGE | WATTS PER CELL @ 25° C | | | | | |
|-----------|---------------|------------------------|--------|--------|--------|--------|--------|
| | | 5 MIN | 10 MIN | 15 MIN | 20 MIN | 30 MIN | 60 MIN |
| PS-121000 | 1.75 | 508 | 383 | 317 | 267 | 207 | 135 |
| | 1.70 | 550 | 402 | 330 | 277 | 212 | 137 |
| | 1.67 | 573 | 420 | 342 | 283 | 215 | 140 |

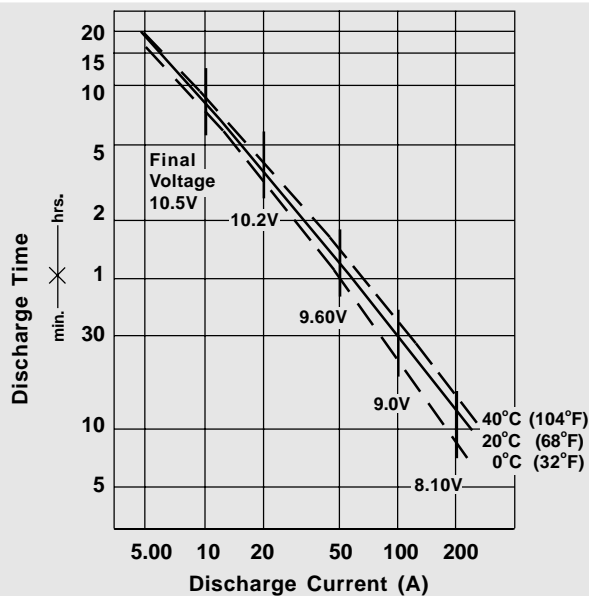
Discharge Characteristics



Shelf Life and Storage



Discharge Time vs. Discharge Current

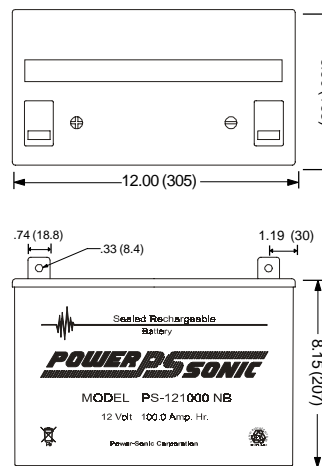


CHARGING

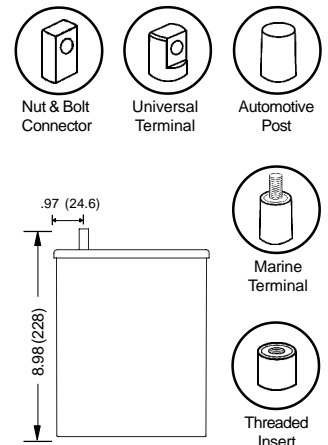
Cycle Applications: Limit initial current to 20A. Charge until battery voltage (under charge) reaches 14.40 to 14.70 volts at 68°F (20°C). Hold at 14.40 to 14.70 volts until current drops to approximately 1000mA.
“Float” or “Stand-By” Service: Hold battery across constant voltage source of 13.50 to 13.80 volts continuously.

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)



Terminal Options



All data subject to change without notice.

Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions.



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