

# Rechargeable Sealed Lead-Acid Battery

## PS-121100 12 Volt 110 Amp. Hrs.



### Features:

- Absorbent Glass Mat (AGM) technology for superior performance.
- Valve regulated, spill-proof construction.
- 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.

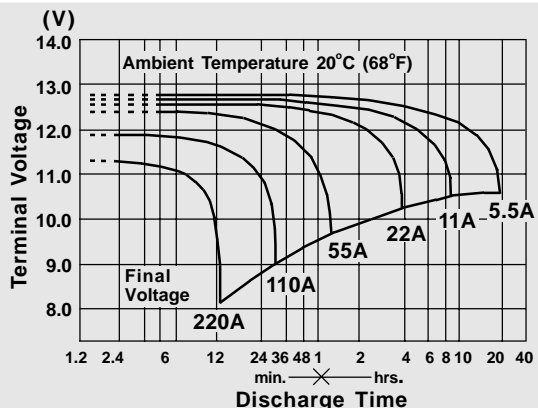


### PERFORMANCE SPECIFICATIONS

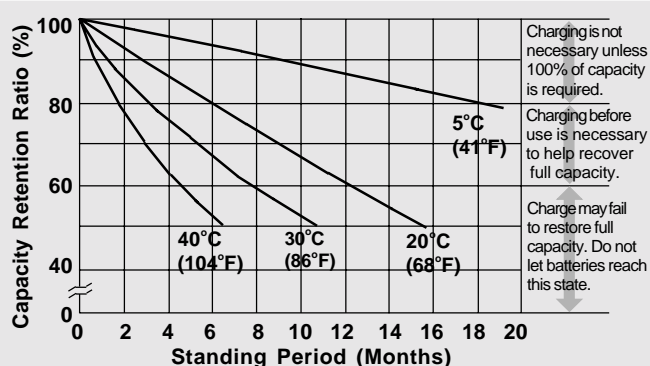
<b>Nominal Voltage</b> .....	12 volts (6 cells in series)
<b>Nominal Capacity</b>	
20 hour rate (5.5A to 10.50 volts) .....	110.0 A.H.
10 hour rate (10.3A to 10.50 volts) .....	103.0 A.H.
5 hour rate (17.7A to 10.20 volts) .....	88.5 A.H.
1 hour rate (61.8A to 09.00 volts) .....	61.8 A.H.
15 min rate (204A to 09.00 volts) .....	51.0 A.H.
<b>Approximate Weight</b> .....	70.6 pounds (32.0 kg)
<b>Energy Density (20 hour rate)</b> .....	1.79 Watt-hours/cubic inch (109.2 Watt-hours/l)
<b>Specific Energy (20 hour rate)</b> .....	18.7 Watt-hours/pound (41.25 Watt-hours/kg)
<b>Internal Resistance (Fully Charged Battery)</b> .....	2.9 milliohms (approximately)
<b>Maximum Discharge Current ( ≤ 7 Min.)</b> .....	330 amperes
<b>Maximum Short-Duration Discharge Current ( ≤ 10 Sec.)</b> .....	660 amperes
<b>Terminals</b> .....	Type 'B': Threaded copper insert terminals with mating M6 bolt
<b>Shelf Life — % of nominal capacity at 68° F (20° C)</b>	
1 Month.....	97%
3 Months.....	91%
6 Months.....	83%
<b>Operating Temperature Range</b>	
<b>Charge</b> .....	-4°F (-20°C) to 122°F (50°C)
<b>Discharge</b> .....	-4°F (-20°C) to 140°F (60°C)
<b>Case</b> .....	ABS Plastic

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-121100	1.75	655	470	365	304	225	133
	1.70	692	490	375	312	231	134
	1.67	706	500	380	315	233	135

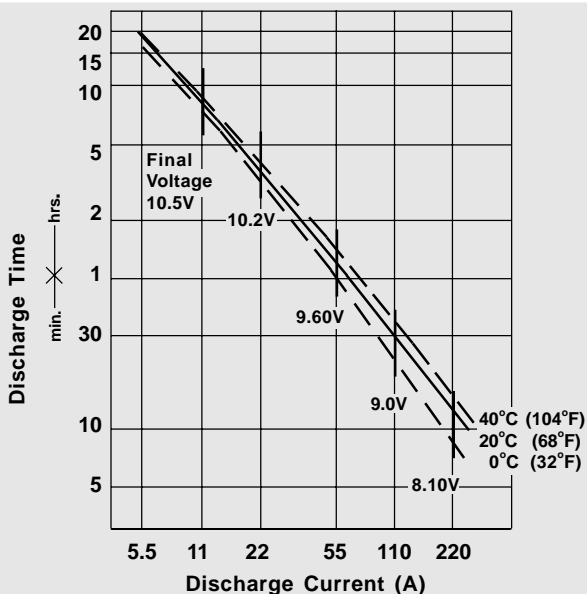
**Discharge Characteristics**



**Shelf Life and Storage**



**Discharge Time vs. Discharge Current**



**CHARGING**

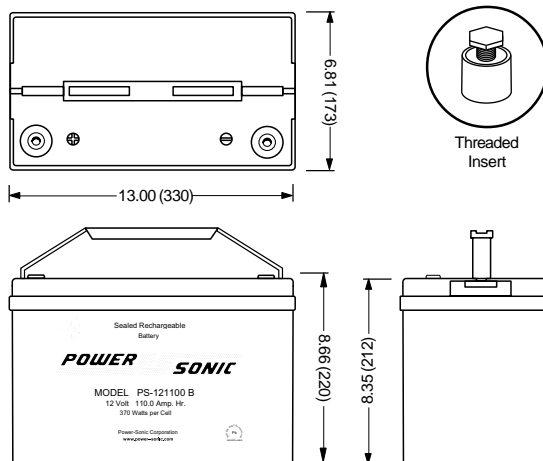
**Cycle Applications:** Limit initial current to 30A. Charge until battery voltage (under charge) reaches 14.40 to 14.70 volts at 68°F (20°C). Hold at 14.40 to 14.70 volts until current drops to approximately 1100mA.

**“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)

Terminals



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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