



## 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 14328.

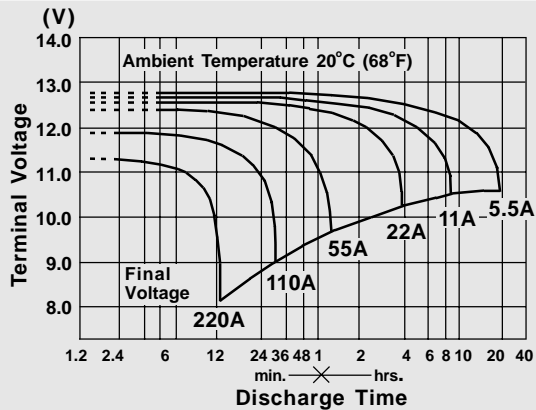


### PERFORMANCE SPECIFICATIONS

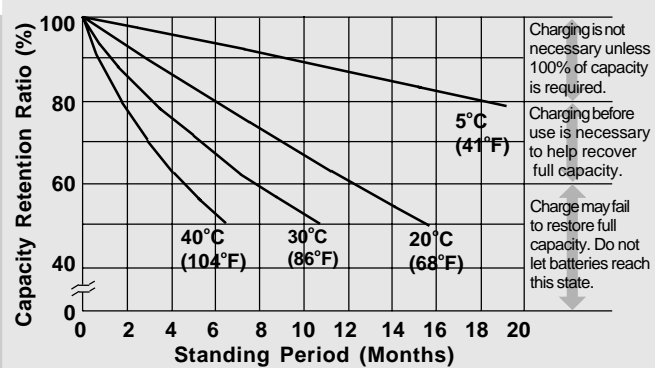
<b>Nominal Voltage</b> .....	12 volts (6 cells in series)
<b>Nominal Capacity</b>	
20 hour rate (5.50A to 10.50 volts) .....	110.0 A.H.
10 hour rate (10.00A to 10.50 volts) .....	100.0 A.H.
5 hour rate (18.00A to 10.20 volts) .....	90.0 A.H.
1 hour rate (68.50A to 09.00 volts) .....	68.5 A.H.
<b>Approximate Weight</b> .....	77.7 pounds (35.3 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> .....	17.0 Watt-hours/pound (37.4 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> .....	675 amperes
<b>Terminal Options</b> .....	Threaded copper insert terminals with mating bolt
<b>Vibration Test (2000 cycles/minute, 0.10 inch excursion, 2 hours)</b> .....	No loss in capacity or performance
<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

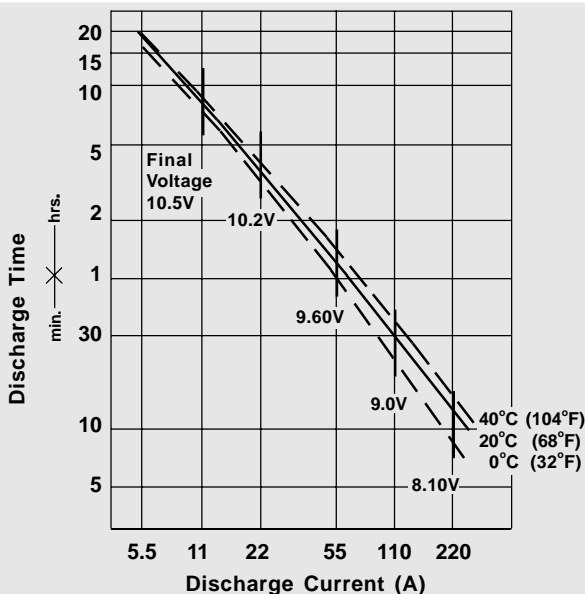
**Discharge Characteristics**



**Shelf Life and Storage**



**Discharge Time vs. Discharge Current**



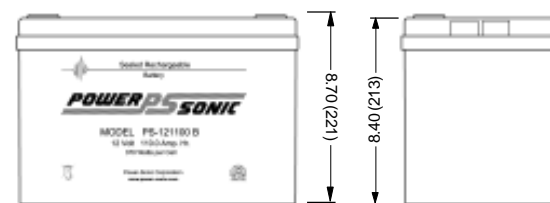
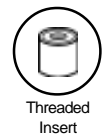
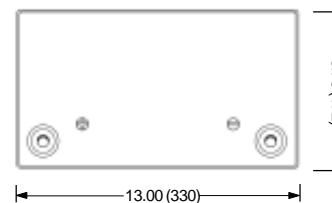
**CHARGING**

**Cycle Applications:** Limit initial current to 28A. 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



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

All data subject to change without notice.



**SALES & MARKETING**  
 3106 Spring Street  
 Redwood City, CA 94063 USA  
 Tel: 650-364-5001 Fax: 650-366-3662  
 national-sales@power-sonic.com



www.power-sonic.com

**ISO9002**  
 FM39170

**CUSTOMER SERVICE**  
 9163 Siempre Viva Road  
 San Diego, CA 92154 USA  
 Tel: 619-661-2030 Fax: 619-661-3648  
 battery@power-sonic.com