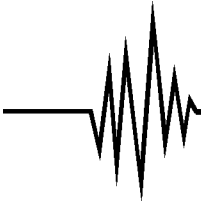




# Rechargeable Sealed Lead-Acid Battery



## PS-12550

### 12 Volt 55 Amp. Hrs.



#### Features:

- Absorbent Glass Mat (AGM) technology for superior performance.
- Valve regulated, spill-proof construction.
- Power/volume ratio yielding unrivaled energy density.
- Built-in (recessed) battery handles for safe and easy transport
- 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.

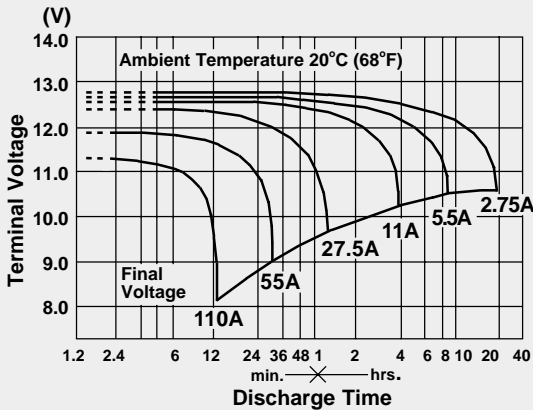


#### PERFORMANCE SPECIFICATIONS

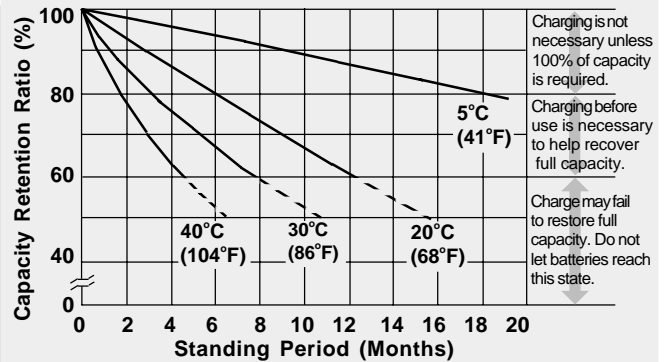
<b>Nominal Voltage</b> .....	12 volts (6 cells in series)
<b>Nominal Capacity</b>	
20 hour rate (2.75A to 10.50 volts) .....	55.0 A.H.
10 hour rate (5.10A to 10.50 volts) .....	51.0 A.H.
5 hour rate ( 8.80A to 10.20 volts) .....	44.0 A.H.
1 hour rate (30.6A to 09.00 volts) .....	30.6 A.H.
15 min rate (96.0A to 09.00 volts) .....	24.0 A.H.
<b>Approximate Weight</b> .....	41.3 pounds (18.77 kg)
<b>Energy Density (20 hour rate)</b> .....	1.66 Watt-hours/cubic inch (101.4 Watt-hours/l)
<b>Specific Energy (20 hour rate)</b> .....	16.0 Watt-hours/pound (35.16 Watt-hours/kg)
<b>Internal Resistance (Fully Charged Battery)</b> .....	5.5 milliohms (approximately)
<b>Maximum Discharge Current ( ≤ 7 Min.)</b> .....	165 amperes
<b>Maximum Short-Duration Discharge Current ( ≤ 10 Sec.)</b> .....	550 amperes
<b>Terminals</b> .....	“U” - Universal terminals: heavy duty posts with nut & bolt (“NB”) fasteners
<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 (50°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	45 MIN	60 MIN
PS-12550	1.75	320	210	184	153	115	87	72
	1.70	342	225	190	158	118	89	73
	1.67	354	250	202	160	120	90	74

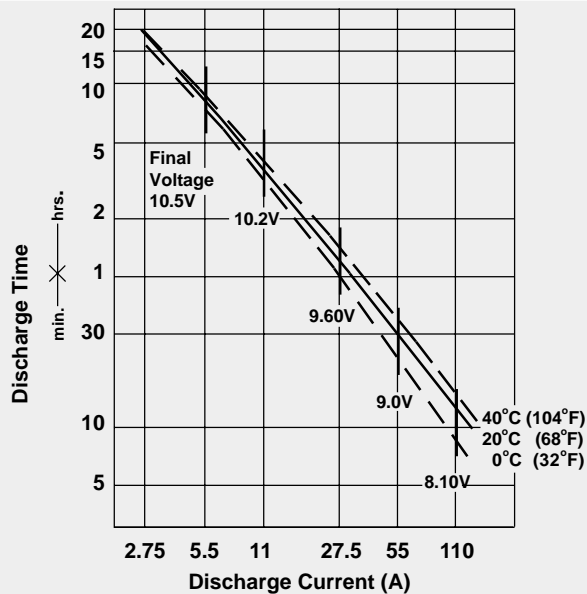
Discharge Characteristics



Shelf Life and Storage



Discharge Time vs. Discharge Current



All data subject to change without notice.

**CHARGING**

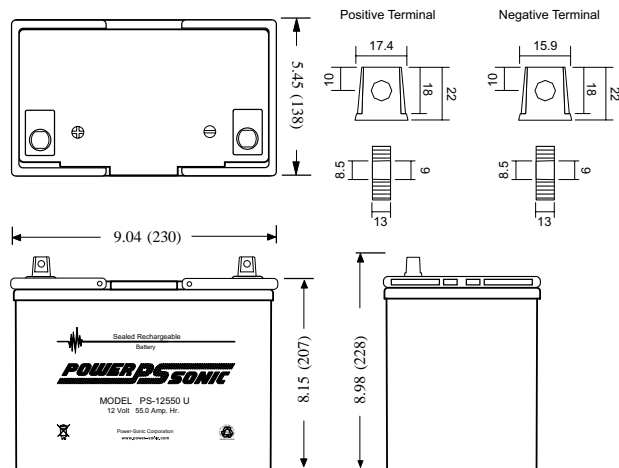
**Cycle Applications:** Limit initial current to 15A. Charge until battery voltage (under charge) reaches 14.40 to 14.70 volts at 68°F (20°C). Hold at 14.40 to 14.70 volts until current drops to approximately 550mA.

**“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 Detail



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



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