

# Rechargeable Sealed Lead-Acid Battery

## PS-12350 12 Volt 35 Amp. Hrs.



### Features:

- Absorbent Glass Mat (AGM) technology for superior performance.
- Valve regulated, spill-proof construction.
- Power/volume ration yielding unrivaled energy density.
- Recessed fold-down handles for safe and easy handling.
- 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.

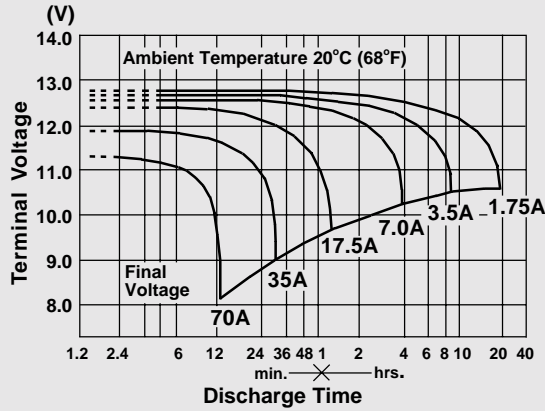


### PERFORMANCE SPECIFICATIONS

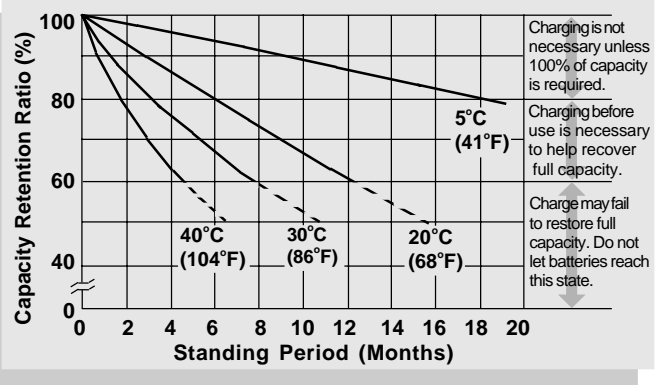
<b>Nominal Voltage</b> .....	12 volts (6 cells in series)
<b>Nominal Capacity</b>	
20 hour rate (1.75 A to 10.50 volts) .....	35.0 A.H.
10 hour rate (3.30 A to 10.50 volts) .....	33.0 A.H.
5 hour rate (6.20 A to 10.20 volts) .....	31.0 A.H.
1 hour rate (25.0 A to 9.00 volts) .....	25.0 A.H.
15 min. rate (70.0 A to 8.25 volts) .....	17.5 A.H.
<b>Approximate Weight</b> .....	25.0 pounds (11.4 kg)
<b>Energy Density (20 hour rate)</b> .....	1.72 Watt-hours/cubic inch (104.7 Watt-hours/l)
<b>Specific Energy (20 hour rate)</b> .....	16.8 Watt-hours/pound (36.8 Watt-hours/kg)
<b>Internal Resistance (Fully Charged Battery)</b> .....	5.6 milliohms (approximately)
<b>Maximum Discharge Current ( ≥ 7 Min.)</b> .....	100 amperes
<b>Maximum Short-Duration Discharge Current ( ≥ 7 Sec.)</b> .....	300 amperes
<b>Standard Terminals</b> .....	"NB": Heavy duty terminal posts with nut and bolt 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 (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-12350	1.75	245	170	135	108	80	45
	1.70	251	174	138	110	82	47
	1.67	258	176	140	113	83	48

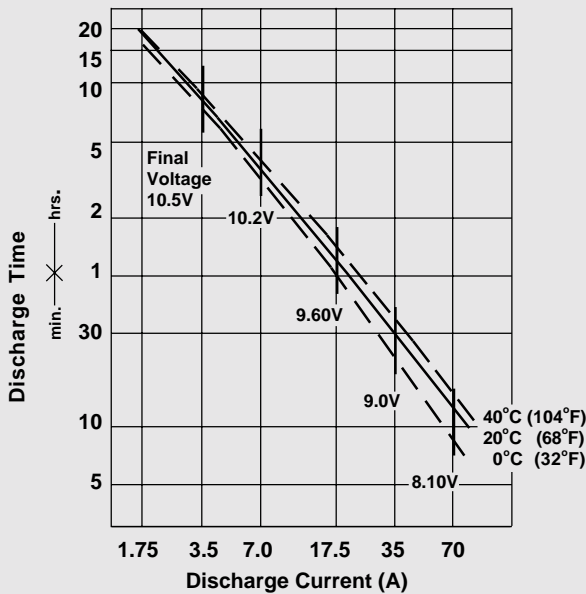
Discharge Characteristics



Shelf Life and Storage



Discharge Time vs. Discharge Current



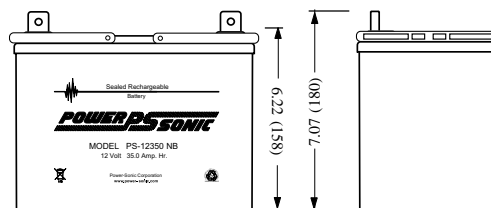
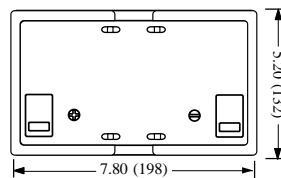
**CHARGING**

**Cycle Applications:** Limit initial current to 10A. 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 350mA. "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.



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