

Rechargeable Sealed Lead-Acid Battery

PS-121400
12 Volt 140 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.

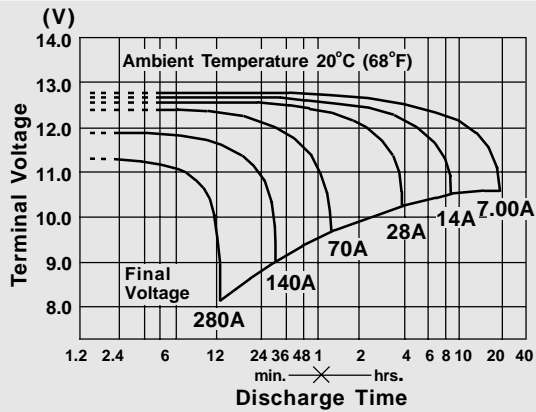


PERFORMANCE SPECIFICATIONS

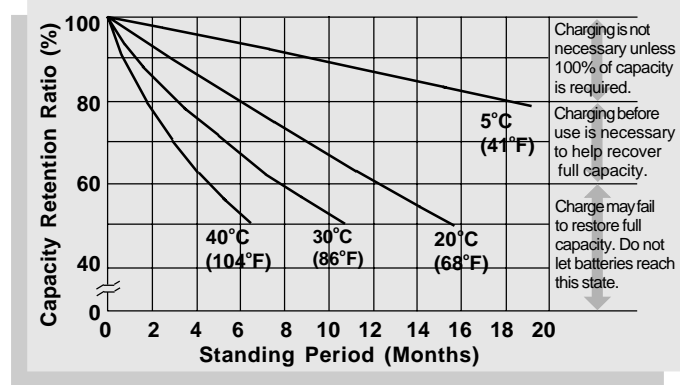
Nominal Voltage	12 volts (6 cells in series)
Nominal Capacity	
20 hour rate (7.00A to 10.50 volts)	140.0 A.H.
10 hour rate (12.80A to 10.50 volts)	128.0 A.H.
5 hour rate (24.40A to 10.20 volts)	122.0 A.H.
1 hour rate (96.00A to 09.00 volts)	96.0 A.H.
Approximate Weight	104.5 pounds (47.5 kg)
Energy Density (20 hour rate)	1.64 Watt-hours/cubic inch (100.1 Watt-hours/l)
Specific Energy (20 hour rate)	16.1 Watt-hours/pound (35.4 Watt-hours/kg)
Internal Resistance (Fully Charged Battery)	2.5 milliohms (approximately)
Maximum Discharge Current (≤ 7 Min.)	420 amperes
Maximum Short-Duration Discharge Current (≤ 10 Sec.)	850 amperes
Terminal Options	Type 'B': threaded copper insert terminals
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	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-121400	1.75	680	510	432	366	302	176
	1.70	720	550	462	376	304	180
	1.67	740	560	480	381	306	182

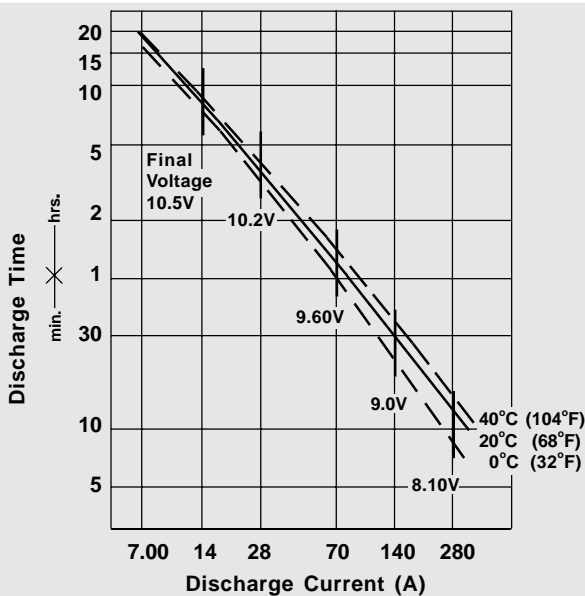
Discharge Characteristics



Shelf Life and Storage



Discharge Time vs. Discharge Current



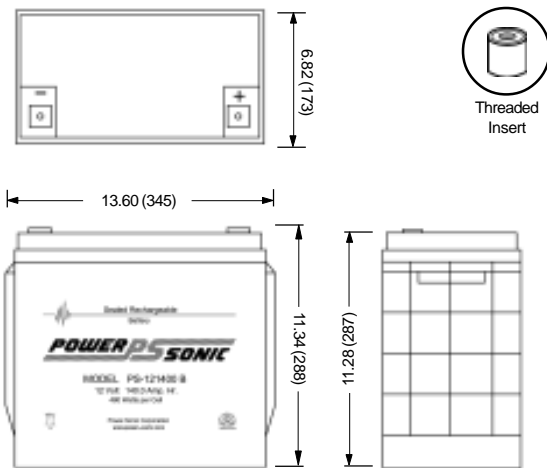
CHARGING

Cycle Applications: Limit initial current to 35A. 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 1400mA.
“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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