

Rechargeable Sealed Lead-Acid Battery

PS-121400FR

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, flame retardant 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 MH20845.

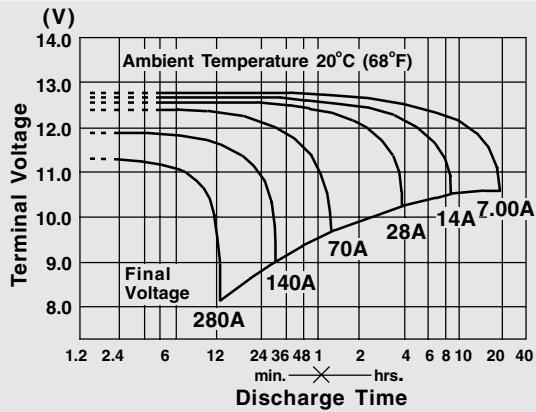


PERFORMANCE SPECIFICATIONS

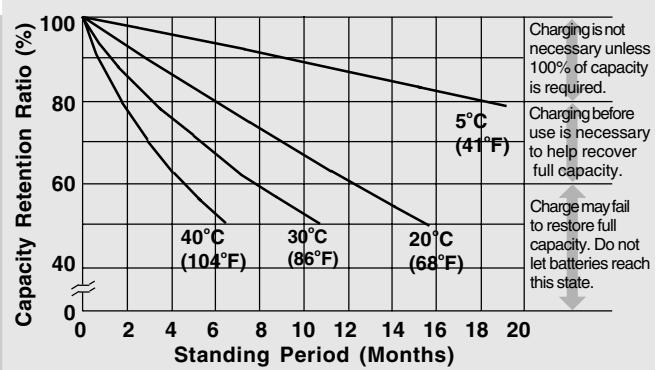
Nominal Voltage	12 volts (6 cells in series)
Nominal Capacity	
20 hour rate (7.0A to 10.50 volts)	140 A.H.
10 hour rate (13.5A to 10.50 volts)	135 A.H.
5 hour rate (24.0A to 10.20 volts)	120 A.H.
1 hour rate (84.0A to 09.00 volts)	84 A.H.
15 min rate (260.0A to 09.00 volts)	65 A.H.
Approximate Weight	102.0 pounds (46.36 kg)
Energy Density (20 hour rate)	1.71 Watt-hours/cubic inch (104.0 Watt-hours/l)
Specific Energy (20 hour rate)	16.5 Watt-hours/pound (36.24 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
Terminals	Type 'B': Threaded copper insert terminals with mating M6 bolt
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 (UL94 V-O flame retardant)

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 FR	1.75	680	510	432	366	302	176
	1.70	720	550	462	376	304	180
	1.67	740	560	480	381	306	182

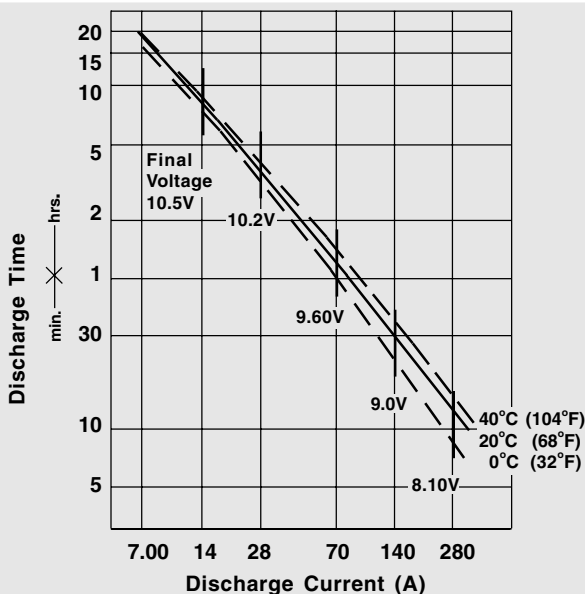
Discharge Characteristics



Shelf Life and Storage



Discharge Time vs. Discharge Current



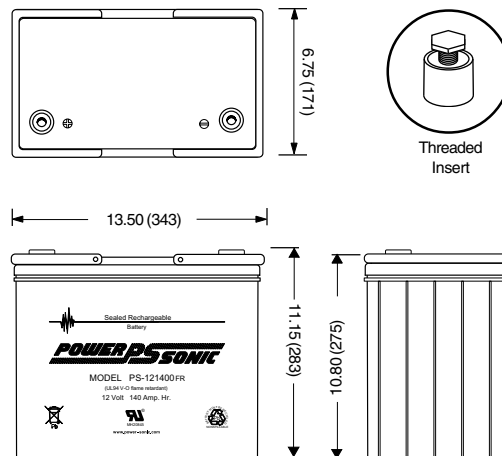
CHARGING

Cycle Applications: Limit initial current to 42A. 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 1.4A.
“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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