



## 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.



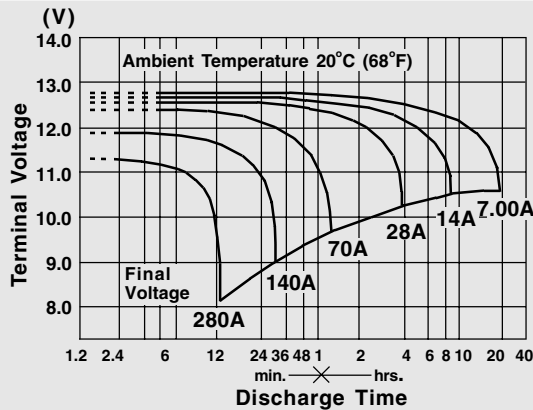
### PERFORMANCE SPECIFICATIONS

<b>Nominal Voltage</b> .....	12 volts (6 cells in series)
<b>Nominal Capacity</b>	
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.
<b>Approximate Weight</b> .....	102.0 pounds (46.36 kg)
<b>Energy Density (20 hour rate)</b> .....	1.71 Watt-hours/cubic inch (104.0 Watt-hours/l)
<b>Specific Energy (20 hour rate)</b> .....	16.5 Watt-hours/pound (36.24 Watt-hours/kg)
<b>Internal Resistance (Fully Charged Battery)</b> .....	2.5 milliohms (approximately)
<b>Maximum Discharge Current ( ≤ 7 Min.)</b> .....	420 amperes
<b>Maximum Short-Duration Discharge Current ( ≤ 10 Sec.)</b> .....	850 amperes
<b>Terminals</b> .....	Type 'B': Threaded copper insert terminals with mating M6 bolt
<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 (UL94 V-O flame retardant)

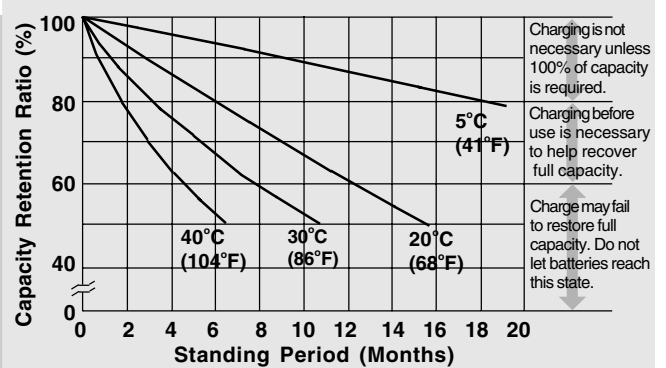
To ensure safe and efficient operation always refer to the latest edition of our Technical Manual, as published on our website.

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

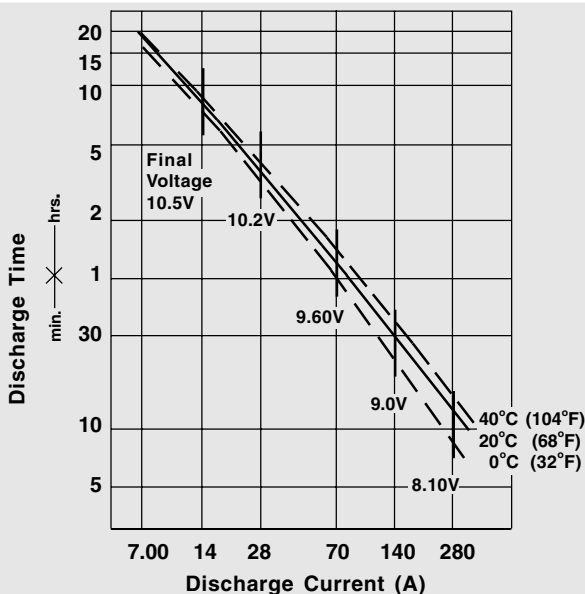
**Discharge Characteristics**



**Shelf Life and Storage**



**Discharge Time vs. Discharge Current**



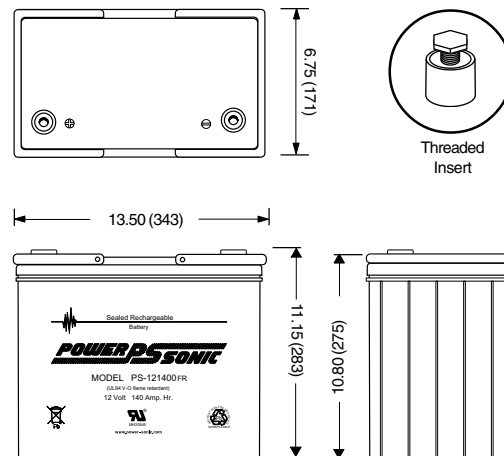
**CHARGING**

**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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