

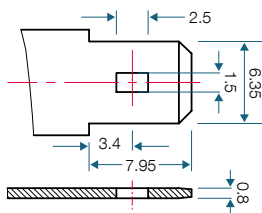


PS-1290HD-F2 12V 9.00 AH @ 20-hr. 12V 8.50 AH @ 10-hr.

Rechargeable Sealed Lead Acid Battery
PS HD – Heavy Duty Series

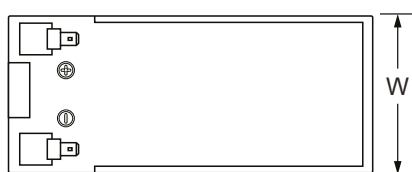
TERMINALS: (mm)

F2: Quick disconnect tabs,
0.250" x 0.032" – Mate with
AMP. INC FASTON "250" series

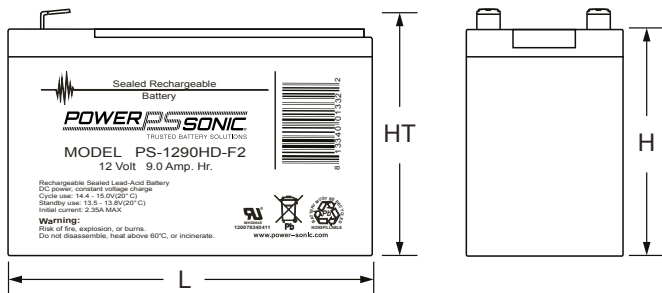


Torque – Not Applicable

DIMENSIONS: inch (mm)



L: 5.95 (151)
W: 2.56 (65)
H: 3.68 (93.5)
HT: 3.90 (99)
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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FEATURES

- Heavy duty (HD) construction with high vibration tolerance
- Punch-plate design yielding ultra-low impedance
- Absorbent Glass Mat (AGM) technology for superior performance
- High-rate discharge characteristics matching 'pure lead' products
- Valve regulated, maintenance free spill proof construction
- Rugged impact resistant ABS case and cover

APPROVALS

- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified
- U.L recognized
- ISO9001:2015 – Quality management systems

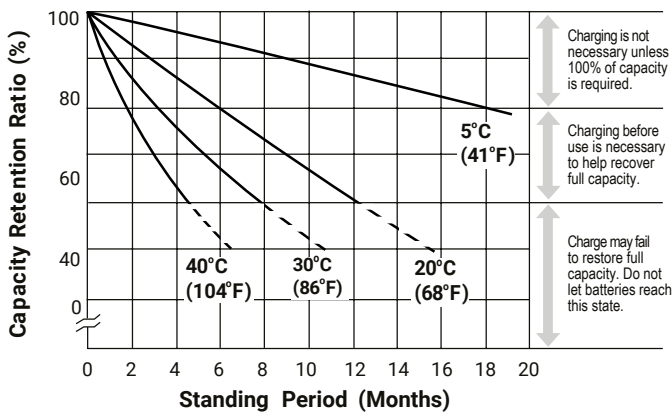
PERFORMANCE SPECIFICATIONS

Nominal Voltage	12 volts (6 cells)	
Rated Capacity		
20-hr. (420mA to 10.80 volts)		9.00 AH
10-hr. (800mA to 10.80 volts)		8.50 AH
5-hr. (1.4A to 10.50 volts)		7.00 AH
1-hr. (5.0A to 9.60 volts)		5.00 AH
15-min. (18.0A to 9.60 volts)		4.50 AH
Approximate Weight	5.30 lbs. (2.4 kg)	
Internal Resistance (approx.)	14.0 ± 1 milliohms	
Max Discharge Current (5 sec.)	105 amperes	
Max Short-Duration Discharge Current (5 Sec.)	117.0 amperes	
Shelf Life (% of nominal capacity at 68°F (20°C))		
1 Month		97%
3 Month		91%
6 Month		83%
Operating Temperature Range		
Charge	5°F (-15°C) to 122°F (50°C)	
Discharge	-4°F (-20°C) to 140°F (60°C)	
Case	ABS Plastic	
Recommended Power Sonic Chargers	PSC-12800A-C PSC-121000-PC	

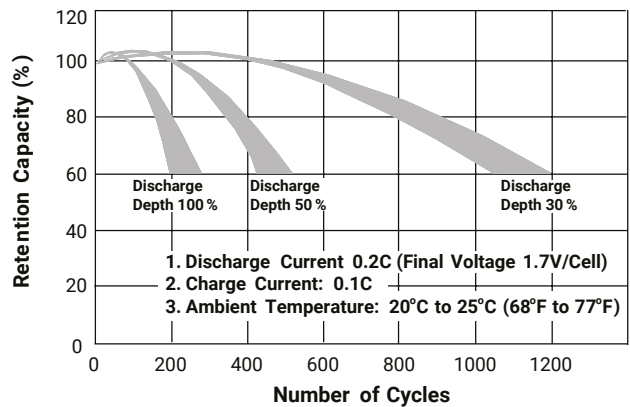
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SHELF LIFE & STORAGE



LIFE CHARACTERISTICS IN CYCLIC USE



CHARGING

Cycle Applications: Apply constant voltage charge at 2.35v/c – 2.45v/c (14.1 – 14.7v for 12v Monobloc) at 20°C. Initial charging current should be set at less than 0.25C Amps. Switch to float charge to avoid overcharging.

“Float” or “Stand-By” Service: Apply constant voltage charge of 2.25v/c – 2.30v/c (13.5 to 13.8 volts for 12v Monobloc) at 20°C. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

Temperature Compensation: Charging Voltage for both Cyclic and Standby applications should be regulated in relation to ambient temperature. As temperature rises charging voltage should be reduced to prevent overcharge and increased as temperature falls to avoid undercharge.

For further charging information including temperature compensation factors, see Power Sonic Technical Manual/ Power Sonic Charger specifications.

APPLICATIONS

- Fire and security
- Medical
- Wind
- Emergency Lighting
- Solar

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CHARGERS

Power Sonic offers a wide range of chargers suitable for batteries with a variety of capacities.

Please refer to our website for more information on our switch mode and transformer type chargers.

Please contact our technical department for advice if you have difficulty in locating a suitable charger.

FURTHER INFORMATION

Please refer to our website www.power-sonic.com for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certification, etc.

