PS SERIES

PS-12120
12V 12.0 AH @ 20-hr.
12V 11.4 AH @ 10-hr.

Rechargeable Sealed Lead Acid Battery
PS – General Purpose Series

TERMINALS: (mm)

F2: Quick disconnect tabs, 0.250" x 0.032" – Mate with AMP. INC FASTON "250" series
NB: Tin plated brass post with ‘Nut & Bolt’ fasteners

Dimensions:

F2:
L: 5.94 (151) W: 3.86 (98) H: 3.66 (93) HT: 3.86 (98)

NB:
L: 5.94 (151) W: 3.86 (98) H: 3.66 (93) HT: 4.09 (104)

Torque: 2.0~3.0 Nxm

Torques are Lower 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

FEATURES
• Absorbent Glass Mat (AGM) technology for superior performance
• Valve regulated, maintenance free spill proof construction
• Power/volume ratio yielding excellent energy density
• Rugged vibration and impact resistant ABS case and cover
• Gas recombination technology
• 5 year design life

APPROVALS
• U.L. recognized
• ISO9001:2015 – Quality management systems

PERFORMANCE SPECIFICATIONS

Nominal Voltage
12 volts (6 cells)

Nominal Capacity
20-hr. (600mA to 10.50 volts) 12.00 AH
10-hr. (1.14A to 10.50 volts) 11.40 AH
5-hr. (2.04A to 10.20 volts) 10.20 AH
1-hr. (8.82A to 9.60 volts) 8.82 AH

Approximate Weight
8.1 lbs. (3.68 kg)

Internal Resistance (approx.)
13.0 milliohms

Max Short-Duration Discharge Current (5 Sec.)
180.0 amperes

Shelf Life (% of nominal capacity at 68°F (20°C)
1 Month 92%
3 Month 90%
6 Month 80%

Operating Temperature Range
Charge 5°F (-15°C) to 104°F (40°C)
Discharge 5°F (-15°C) to 122°F (50°C)

Case
ABS Plastic

Power Sonic Chargers
PSC-122000A-C
PSC-122000-PC

globalheadquarters.com

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GLOBAL HEADQUARTERS
(USA AND INTERNATIONAL EXCLUDING EMEA)
Power-Sonic Corporation
365 Cabela Dr Suite 300,
Reno, Nevada 89523
USA
T: +1 619 661 2020
E: customer-service@power-sonic.com

POWER-SONIC EMEA
(EMEA – EUROPE, MIDDLE EAST AND AFRICA)
Smittspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: +31 33 7410 700
T UK: +44 1268 560 686
T FR: +33 344 32 18 17
E: salesEMEA@power-sonic.com
SHELF LIFE & STORAGE

LIFE CHARACTERISTICS IN STAND-BY 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

- General purpose
- Medical
- Fire and security

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.