



PG-12V5.4

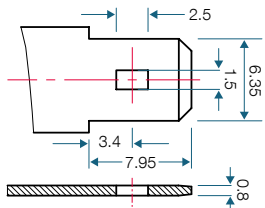
12V 5.40 AH @20-hr.
12V 4.65 AH @ 10-hr.

Rechargeable Sealed Lead Acid Battery
PG – Long Life Series

TERMINALS: (mm)

F2: Positive:

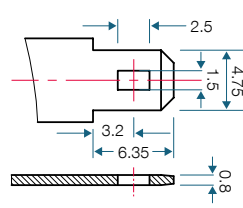
Quick disconnect tabs,
0.250" x 0.032" – Mate with
AMP. INC FASTON "250" series



Torque – Not Applicable

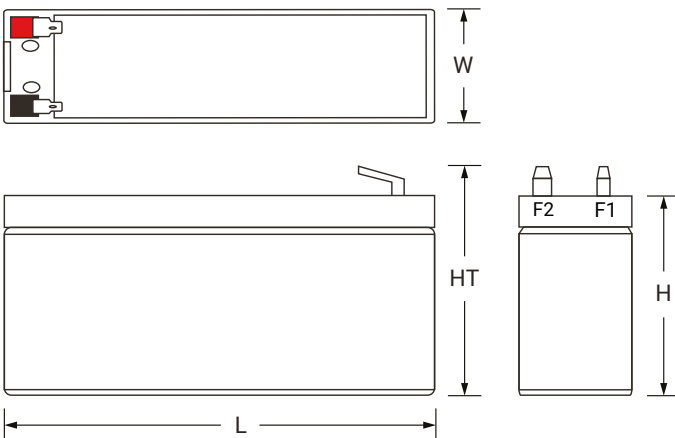
F1: Negative:

Quick disconnect tabs,
0.187" x 0.032" – Mate with
AMP. INC. FASTON "187" series



Torque – Not Applicable

DIMENSIONS: inch (mm)



L: 5.94 (151) W: 2.08 (53) H: 3.66 (93) HT: 3.89 (99)

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

CORPORATE HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

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

- Absorbent Glass Mat (AGM) technology for superior performance
- Superb high-rate discharge characteristics ensures reliable performance in UPS and telecom applications
- Proven valve regulated technology that guarantees safe operation without maintenance
- Rugged impact resistant ABS case and cover
- Thick plate design and efficient gas recombination yield a service life of 6 – 9 years in standby mode

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

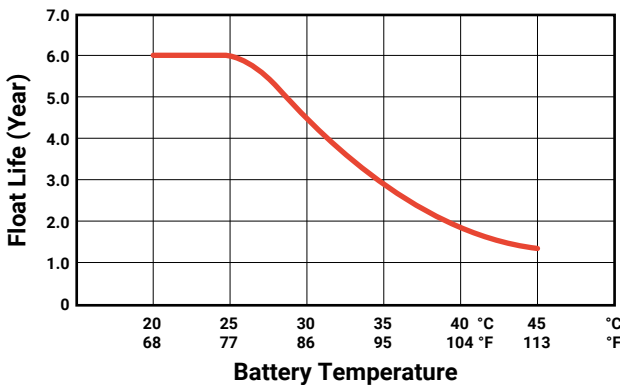
PERFORMANCE SPECIFICATIONS

Nominal Voltage	12 volts (6 cells)
Nominal Capacity	
20-hr. (270mA to 10.80 volts)	5.40 AH
10-hr. (465mA to 10.80 volts)	4.65 AH
5-hr. (840mA to 10.50 volts)	4.20 AH
1-hr. (3.04A to 9.60 volts)	3.04 AH
Approximate Weight	3.86 lbs. (1.75 kg)
Internal Resistance (approx.)	45.0 milliohms
Max Short-Duration Discharge Current (10 Sec.)	50 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
Power Sonic Chargers	PSC-12800A-C PSC-121000-PC

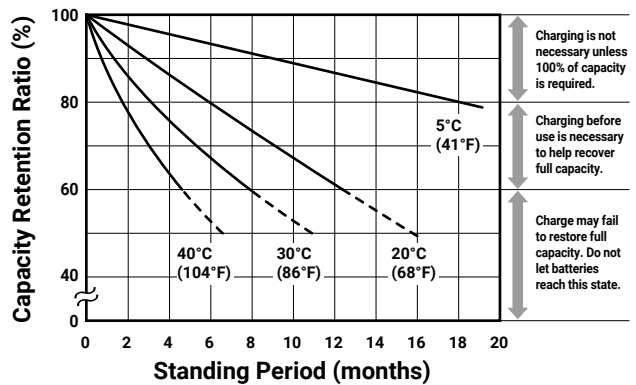
PG-12V5.4 12V 5.40 AH @20-hr.
12V 4.65 AH @10-hr.

Rechargeable Sealed Lead Acid Battery
PS – General Purpose Series

FLOAT LIFE IN YEARS VS. TEMPERATURE



GENERAL RELATION OF CAPACITY VS. STORAGE TIME



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

A whole range of CYCLIC applications including but not limited to:

- Fire and Security
- Telecommunications
- Emergency Lighting
- Utility
- Solar
- Wind
- UPS

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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.

