PS-12180S
Rechargeable Sealed Lead Acid Battery
PS – General Purpose Series

TERMINALS: (mm)

F2: Quick disconnect tabs, 0.25” x 0.032” – Mate with AMP, INC FASTON “250” series

NB2: Tin plated brass post with ‘Nut & Bolt’ fasteners

T12: Threaded insert with 5mm stud fastener

Torque – Not Applicable

DIMENSIONS: inch (mm)

L: 7.13 (181)
W: 3.00 (76)
H: 6.59 (167)
HT: 6.59 (167)

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

FEATURES
• 10 – 12 year design life
• 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

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

PERFORMANCE SPECIFICATIONS

Nominal Voltage 12 volts (6 cells)
Nominal Capacity
20-hr. (900mA to 10.50 volts) 18.00 AH
10-hr. (1.70A to 10.50 volts) 17.00 AH
5-hr. (3.20A to 10.20 volts) 16.00 AH
1-hr. (11.1A to 9.00 volts) 11.1 AH

Approximate Weight 12.60 lbs. (5.72 kg)
Internal Resistance (approx.) 14.0 milliohms
Max Short-Duration Discharge Current (10 Sec.) 180.0 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

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Power Sonic Chargers
PSC-122000A-C
PSC-122000-PC
PSC-124000-PC
PSC-124000A-C

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PS-12180S 12V 18.0 Ah @ 20-hr.
12V 17.0 Ah @ 10-hr.
Rechargeable Sealed Lead Acid Battery
PS – General Purpose Series

SHELF LIFE & STORAGE

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.