PDC-12800
Rechargeable Sealed Lead Acid Battery
PDC – Deep Cycle AGM Series

TERMINALS (mm)

U: Universal terminals: Heavy-duty posts with ‘nut & bolt’ fasteners

POSITIVE
NEGATIVE

Torque: 11.0–14.7 Nm

DIMENSIONS inch (mm)

L: 10.24 (260)
W: 6.61 (168)
H: 8.27 (210)
HT: 9.06 (230)

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

FEATURES

• AGM (absorbent glass mat) technology for superior performance
• Valve regulated, maintenance free spill proof construction
• Specialized paste formulation for true longer life deep cycle performance
• Special additives in the paste ensure excellent performance in deep discharge situations
• Power/volume ratio yielding unrivaled energy density
• Rugged vibration and impact resistant ABS case and cover (UL94-HB) Also available to UL94-V0

APPROVALS

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

PERFORMANCE SPECIFICATIONS

Nominal Voltage
12 volts (6 cells)

Nominal Capacity
20-hr. (4.0A to 10.50 volts) 80.0 AH
10-hr. (7.50A to 10.50 volts) 75.0 AH
8-hr. (9.17A to 10.50 volts) 73.4 AH
5-hr. (13.2A to 10.20 volts) 65.8 AH
1-hr. (48.5A to 9.00 volts) 48.5 AH
15-min. (148.1A to 9.00 volts) 37.0 AH

Approximate Weight
50.0 lbs. (22.7 kg)

Internal Resistance (approx.)
6.6 milliohms

Max Discharge Current (7 Min.)
240.0 amperes

Max Short-Duration Discharge Current (10 Sec.)
800 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-1210000A-C
PSC-1210000-PC
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 22.5Amps. 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

- Medical
- Solar
- Wind
- Mobility
- Golf Carts

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