

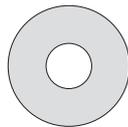
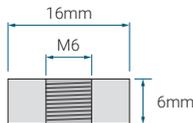


## PDC-12400 12V 40.0 AH @ 20-hr. 12V 38.0 AH @ 10-hr.

Rechargeable Sealed Lead Acid Battery  
PDC – Deep Cycle AGM Series

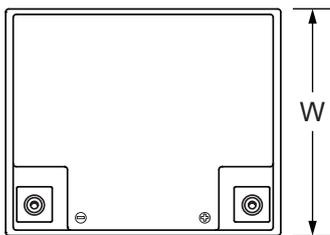
### TERMINALS (mm)

T6: Threaded insert with 6mm stud fastener

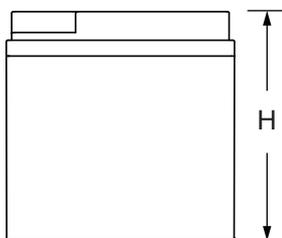
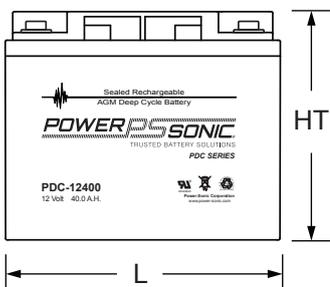


Torque: 3.9~5.4 Nxm

### DIMENSIONS inch (mm)



L: 7.76 (197)  
W: 6.50 (165)  
H: 6.69 (170)  
HT: 6.69 (170)  
Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.



### GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

**Power-Sonic Corporation**  
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### POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

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### 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

- 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

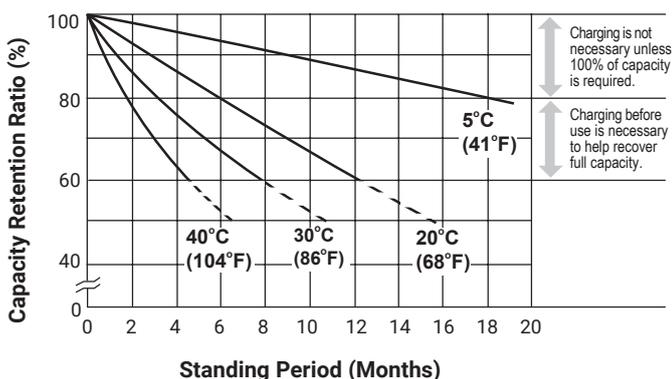
### PERFORMANCE SPECIFICATIONS

<b>Nominal Voltage</b>	12 volts (6 cells)	
<b>Nominal Capacity</b>		
20-hr. (2.00A to 10.50 volts)		40.0 AH
10-hr. (3.80A to 10.50 volts)		38.0 AH
8-hr. (4.65A to 10.50 volts)		37.2 AH
5-hr. (6.67A to 10.20 volts)		33.3 AH
1-hr. (24.5A to 9.00 volts)		24.5 AH
15-min. (75.0A to 9.00 volts)		18.7 AH
<b>Approximate Weight</b>	32.0 lbs. (14.5 kg)	
<b>Internal Resistance (approx.)</b>	9.0 milliohms	
<b>Max Discharge Current (7 Min.)</b>	114 amperes	
<b>Max Short-Duration Discharge Current (10 Sec.)</b>	380 amperes	
<b>Shelf Life (% of nominal capacity at 68°F (20°C))</b>		
1 Month		97%
3 Month		91%
6 Month		83%
<b>Operating Temperature Range</b>		
Charge	5°F (-15°C) to 122°F (50°C)	
Discharge	-4°F (-20°C) to 140°F (60°C)	
<b>Case</b>	ABS Plastic	
<b>Power Sonic Chargers</b>	PSC-124000A-C PSC-124000-PC PSC-243500-PC PSC-1210000-PC	

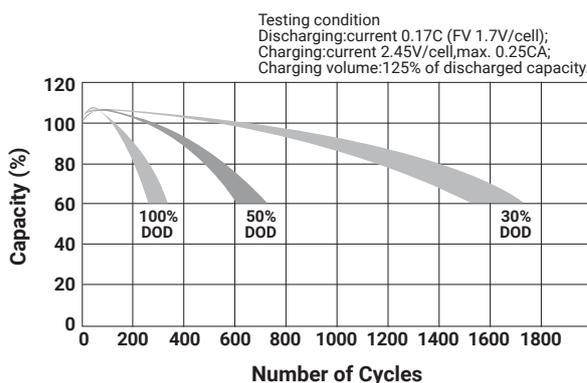
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### SHELF LIFE & STORAGE



### CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



### 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 11.4Amps. 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
- Wind
- Golf Carts
- Solar
- Mobility

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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](http://www.power-sonic.com) for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certification, etc.

