



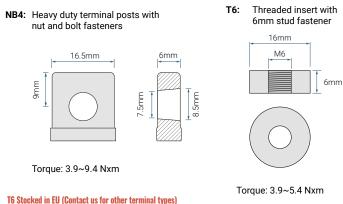




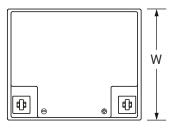
# PS-12400 12V 40.0 AH @ 20-hr. 12V 38.0 AH @ 10-hr.

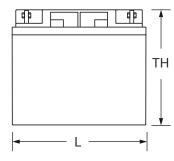
**Rechargeable Sealed Lead Acid Battery PS Series - General Purpose** 

#### TERMINALS: (mm)



# **DIMENSIONS:** inch (mm)

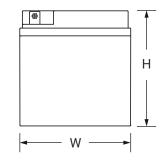




#### 7.76 (197) W: 6.50 (165) H: 6.69 (170) TH: 6.69 (170)

L:

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



#### **GLOBAL HEADOUARTERS** (USA AND INTERNATIONAL EXCLUDING EMEA)

The 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) Power-Sonic EMEA Smitspol 4, 3861 RS, Nijkerk, 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

To ensure safe and efficient operation always refer to the latest edition of our Technical Manual, as published on our website. © 2018. Power-Sonic Corporation. All rights reserved. All trademarks are the property of their respective owners. All data subject to change without notice, E&O.E

# FEATURES

- Absorbent Glass Mat (AGM) technology for superior performance
- Valve regulated, maintenance-free spill proof construction
- Rugged vibration and impact resistant ABS case
- Power/volume ratio yielding excellent energy density
- Gas recombination technology •
- Design life up to 10 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
- UL 1989 Standard for Standby Batteries
- ISO9001:2015-Quality Management Systems •
- IEC 60896-21/22 Stationary Lead-Acid Batteries •
- EU 2023/1542 Compliant: European Battery Regulation

#### PERFORMANCE SPECIFICATIONS

Nominal Voltage	12 volts (6 cells)
Nominal Capacity   20-hr. (2.0A to 10.80 volts)   10-hr. (3.8A to 10.80 volts)   5-hr. (7.27A to 9.60 volts)   1-hr. (24.2A to 9.60 volts)	40.0 AH 38.0 AH 36.35 AH 24.2 AH
Approximate Weight	29.1 lbs. (13.2 kg)
Internal Resistance (approx.)	10.0 milliohms
Max Short-Duration Discharge Current (10 Sec.)	380.0 amperes
<b>Shelf Life</b> (% of nominal capacity at 68°F (20°C) 1 Month 3 Month 6 Month	97% 91% 83%
<b>Operating Temperature Range</b> Charge Discharge	-4°F (-20°C) to 104°F (40°C) 5°F (-15°C) to 122°F (50°C)
Case	ABS Plastic Rated to UL 94 H-B
Power Sonic Chargers	PSC-124000ACX

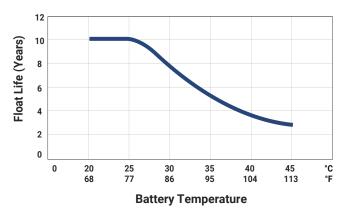
power-sonic.com



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

**Rechargeable Sealed Lead Acid Battery PS Series - General Purpose** 

#### FLOAT LIFE VS. TEMPERATURE



## CHARGING

Cycle Applications: Apply constant voltage charge at 2.35VPC to 2.45VPC (14.1 to 14.7 volts for 12V Monobloc) at 20°C. The initial charging current should be set at less than C/5 Amps. Switch to float charge when the current falls to a 3% capacity rate to avoid overcharging.

Stand-By or "Float" Service: Apply constant voltage charge of 2.25VPC to 2.30VPC (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 stand-by applications should be regulated in relation to ambient temperature. As temperature rises, charging voltage should be reduced to prevent overcharge and increased as the temperature falls to avoid undercharge.

For further charging information, including temperature compensation factors, see the Power-Sonic Technical Manual.

# APPLICATIONS

- General purpose
- Emergency lighting
- Medical

#### **GLOBAL HEADOUARTERS**

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

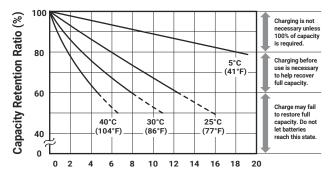
- Fire and security

#### **POWER-SONIC EMEA** (EMEA - EUROPE, MIDDLE EAST AND AFRICA)

Power-Sonic EMEA Smitspol 4, 3861 RS, Nijkerk, 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

To ensure safe and efficient operation always refer to the latest edition of our Technical Manual, as published on our website. © 2018. Power-Sonic Corporation. All rights reserved. All trademarks are the property of their respective owners. All data subject to change without notice, E&O,E

#### **GENERAL RELATION OF CAPACITY VS. STORAGE TIME**



Standing Period (Months)

### 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.

