TRUSTED BATTERY SOLUTIONS













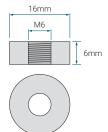


# PS-12550 12V 55.0 AH @ 20-hr. 12V 52.25 AH @ 10-hr.

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

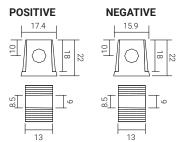
#### TERMINALS: (mm)

Threaded insert with T6: 6mm stud fastener



Torque: 3.9~5.4 Nxm

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



Torque: 11.0~14.7 Nxm

### **FEATURES**

- · 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
- 5 year design life

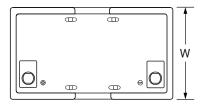
#### **APPROVALS**

- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified
- U.L. recognized

**Power Sonic Chargers** 

ISO9001:2015 – Quality management systems

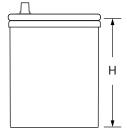
#### **DIMENSIONS: inch (mm)**



8.90 (226) W: 5.31 (135) 8.15 (207) HT: 9.02 (229)

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)

**Power-Sonic Corporation** 365 Cabela Dr Suite 300, Reno, Nevada 89523

T: +1 619 661 2020

USA

E: customer-service@power-sonic.com

#### **POWER-SONIC EMEA**

(EMEA - EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk, The Netherlands

**T NL:** + 31 33 7410 700 T UK: +44 1268 560 686 TFR: +33 344 32 18 17

E: salesEMEA@power-sonic.com

#### **PERFORMANCE SPECIFICATIONS**

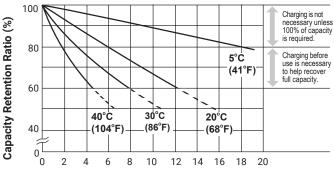
Nominal Voltage	12 volts (6 cells)
Nominal Capacity 20-hr. (2.75A to 10.50 volts) 10-hr. (5.225A to 10.50 volts) 5-hr. (9.35A to 10.20 volts) 1-hr. (36.2A to 9.60 volts)	55.00 AH 52.25AH 46.75 AH 36.20 AH
Approximate Weight	37.62 lbs. (17.10 kg)
Internal Resistance (approx.)	6.0 milliohms
Max Short-Duration Discharge Current (5 Sec.)	660.0 amperes
Shelf Life (% of nominal capacity at 68°F (20°C)  1 Month  3 Month  6 Month	97% 91% 83%
Operating Temperature Range Charge Discharge	5°F (-15°C) to 104°F (40°C) 5°F (-15°C) to 122°F (50°C)
Case	ABS Plastic
Power Sonic Chargers	PSC-1210000A-C

PSC-1210000-PC

PS-12550 12V 55.0 AH @ 20-hr. 12V 51.25 AH @ 10-hr.

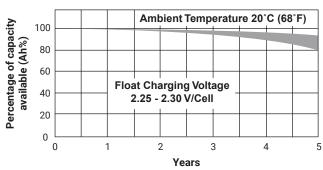
Rechargeable Sealed Lead Acid Battery
PS – General Purpose Series

#### **SHELF LIFE & STORAGE**



Standing Period (Months)

## LIFE CHARACTERISTICS IN STAND-BY USE



#### **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
- Emergency lighting
- 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.



# GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

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) Smitspol 4, 3861 RS Nijkerk,

The 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