



POWER *PS* SONIC

**RECHARGEABLE SEALED LEAD-ACID BATTERY
HIGH-RATE SERIES**



PSH-1255 FR

12 Volt 6.0 Amp. Hrs.

Features:

- Absorbent Glass Mat (AGM) technology for superior performance.
- Designed specifically for high-rate discharge (UPS) applications
- 24 Watts/cell for 15 min. of constant power
- Rugged plastic case and cover, flame retardant to UL94 V-0.
- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified.
- U.L. recognized under file number MH 20845.



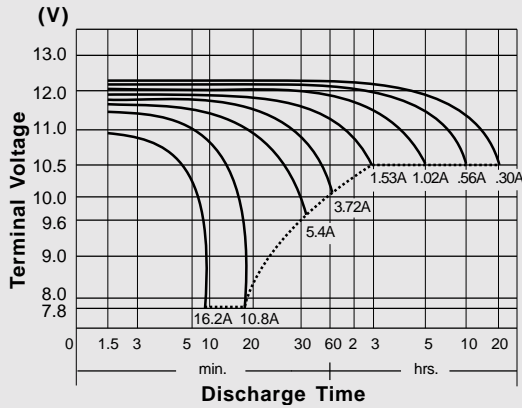
PERFORMANCE SPECIFICATIONS

| | |
|---|---|
| Nominal Voltage | 12 volts (6 cells in series) |
| Nominal Capacity | |
| 20 hour rate (300mA to 10.50 volts) | 6.00 A.H. |
| 10 hour rate (560mA to 10.50 volts) | 5.60 A.H. |
| 5 hour rate (1.02A to 10.20 volts) | 5.10 A.H. |
| 1 hour rate (3.72A to 9.00 volts) | 3.72 A.H. |
| 15 min. rate (11.76A to 7.80 volts) | 2.94 A.H. |
| Approximate Weight | 4.19 pounds (1.9 kg) |
| Energy Density (20 hour rate) | 1.85 Watt-hours/cubic inch (113.2 Watt-hours/l) |
| Specific Energy (20 hour rate) | 17.2 Watt-hours/pound (37.9 Watt-hours/kg) |
| Internal Resistance (Fully Charged Battery) | 22 milliohms (approximately) |
| Maximum Discharge Current (≥ 7 Min.) | 18 amperes |
| Maximum Short-Duration Discharge Current (≥ 7 Sec.) | 60 amperes |
| Terminals | Standard: "F2" Quick disconnect tabs, 0.250" x 0.032", mate with AMP. INC. FASTON "250" |
| Shelf Life — % of nominal capacity at 68° F (20° C) | |
| 1 Month..... | 97% |
| 3 Months..... | 91% |
| 6 Months..... | 83% |
| Operating Temperature Range | |
| Charge | -4°F (-20°C) to 122°F (50°C) |
| Discharge | -4°F (-20°C) to 140°F (60°C) |
| Case & Cover | ABS plastic (UL94 V-O flame retardant) |

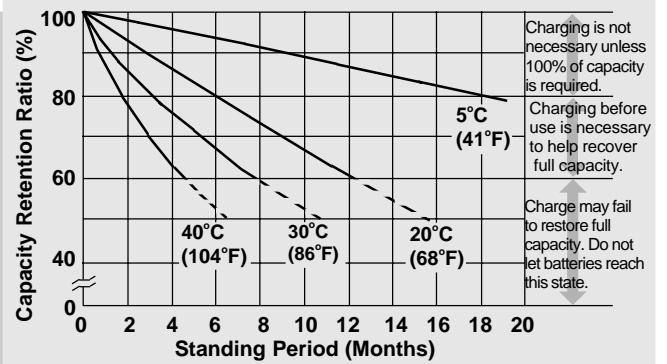
To ensure safe and efficient operation always refer to the latest edition of our Technical Manual, as published on our website.

| CONSTANT POWER DISCHARGE RATINGS | | | | | | | | |
|----------------------------------|---------------|------------------------|--------|--------|--------|--------|--------|--------|
| MODEL | FINAL VOLTAGE | WATTS PER CELL @ 25° C | | | | | | |
| | | 5 MIN | 10 MIN | 15 MIN | 20 MIN | 25 MIN | 30 MIN | 60 MIN |
| PSH-1255 | 1.75 | 38 | 27 | 22 | 17 | 12 | 9.5 | 6.4 |
| | 1.70 | 39 | 28 | 23 | 17.5 | 12.5 | 9.6 | 6.5 |
| | 1.67 | 40 | 29 | 24 | 18 | 13 | 9.8 | 6.7 |

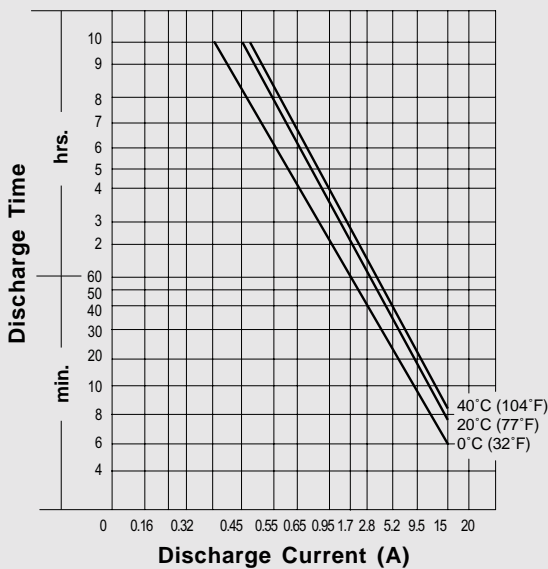
Discharge Characteristics (25°C, 77°F)



Shelf Life and Storage



Discharge Time vs. Discharge Current



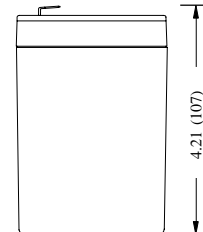
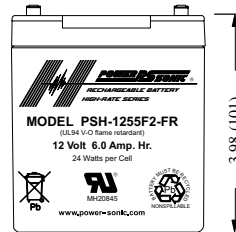
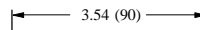
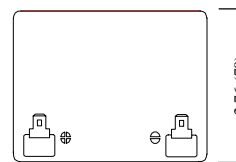
CHARGING

Cycle Applications: Limit initial current to 1.8A. Charge until battery voltage (under charge) reaches 14.40 to 14.70 volts at 68°F (20°C). Hold at 14.40 to 14.70 volts until current drops to approximately 60mA. **“Float” or “Stand-By” Service:** Hold battery across constant voltage source of 13.50 to 13.80 volts continuously.

NOTE: Due to the self-discharge characteristics of this type of battery, it is imperative that they be charged after 6-9 months of storage, otherwise permanent loss of capacity might occur as a result of sulfation.

Physical Dimensions: in. (mm)

Terminals



Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions.

All data subject to change without notice.



CORPORATE OFFICE
 7550 Panasonic Way
 San Diego, CA 92154 USA
 Tel: +1-619-661-2020
 Fax: +1-619-661-3650
 national-sales@power-sonic.com

CUSTOMER SERVICE
 Tel: +1-619-661-2030
 Fax: +1-619-661-3648
 customer-service@power-sonic.com

SALES / INTERNATIONAL
 Tel: +1-650-364-5001
 Fax: +1-650-366-3662
 battery@power-sonic.com

www.power-sonic.com