

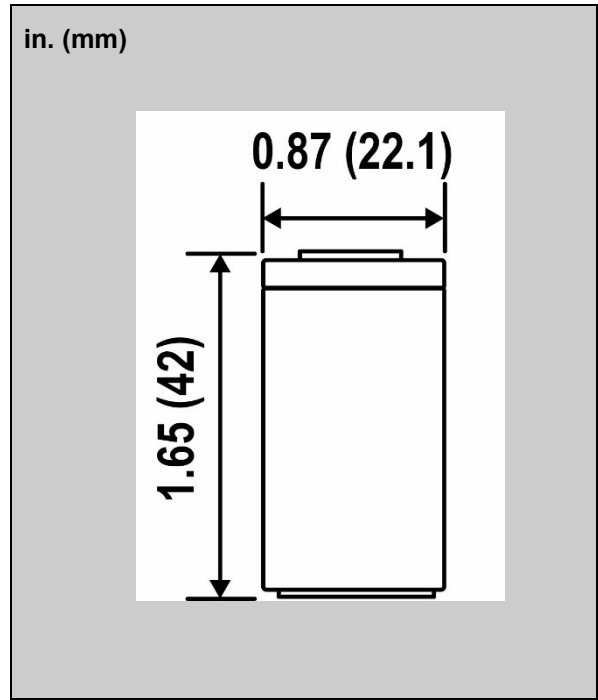
## Sealed Nickel Cadmium Batteries High Temperature

Model: PS-SCH

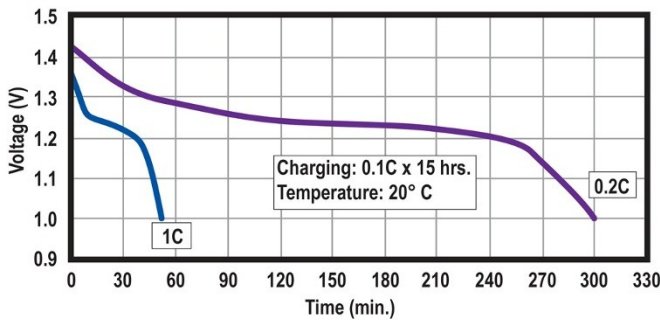
### Specifications

|   |                         |                 |
|---|-------------------------|-----------------|
| Nominal Voltage                           |                         | 1.2 Volt        |
| Rated Capacity                            |                         | 1500 mAh        |
| Dimensions                                | Diameter in. (mm)       | 0.87 (22.1)     |
|   | Height in. (mm)         | 1.65 (42.0)     |
|   | Height with solder tabs | 1.69 (43.0)     |
|   | Weight Approx.          | 41 gm           |
|   | Internal Resistance     | <20 mΩ          |
|   | Standard Charge (0.1C)  | 150mA           |
|   | Trickle Charge          | (0.03C)~(0.05C) |
|   | Fast Charge ΔV          | n/a             |
| Recommended Operating Temperature Range   | Std/Trickle Charge      | 0 to 70°C       |
|   | Fast Charge             | 0 to 70°C       |
|   | Discharge               | -20 to 70°C     |
|   | Storage                 | -20 to 60°C     |
| Standard Discharge (0.2C) Cut Off Voltage |                         | 1.0V per cell   |
| High Rate Discharge (1 C) Cut Off Voltage |                         | 1.0V per cell   |

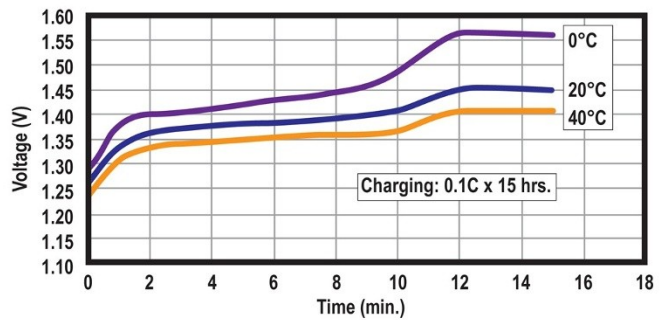
### Dimensions



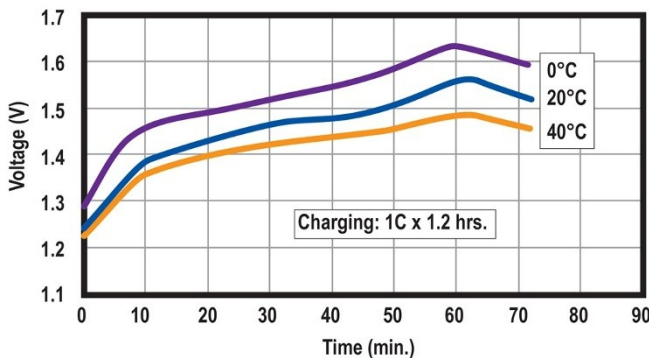
## Charging and Discharging Characteristics



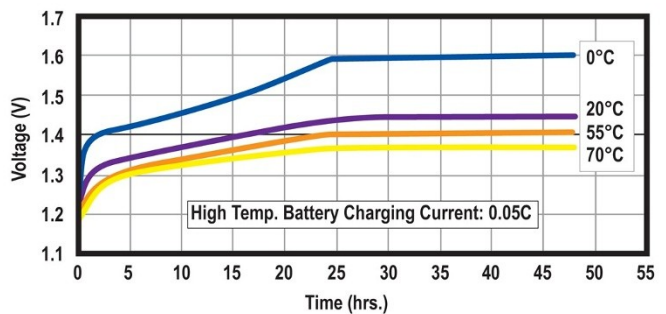
Discharge



Standard Charge



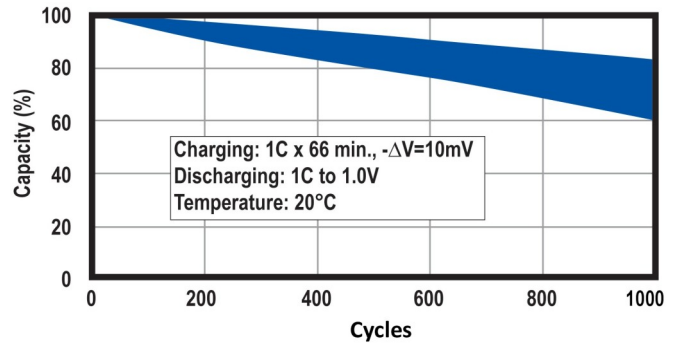
Fast Charge



Trickle Charge



▲ Standard Battery Cycle Life ▲



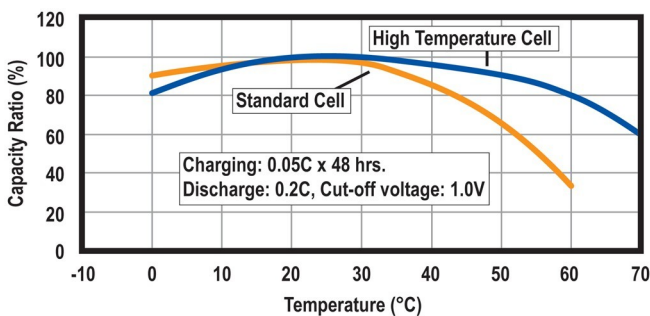
▲ Fast Charging Cycle Life ▲



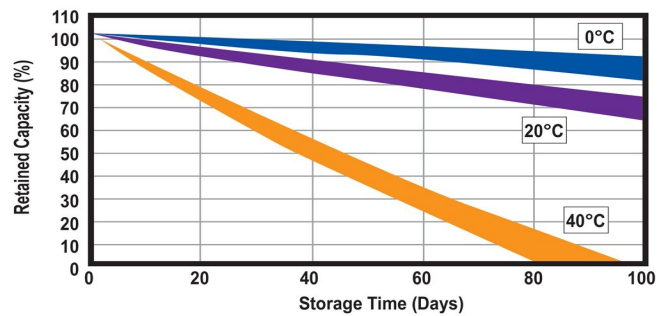
▲ Cycle Life Using Trickle Charging ▲



▲ Stand-by Battery Life ▲



▲ Capacity vs. Temperature ▲



▲ Retained Capacity In Storage ▲

**Corporate Headquarters and Domestic Sales**  
 Power-Sonic Corporation • 7550 Panasonic Way • San Diego, CA 92154 • U.S.A  
 Phone: (619) 661-2020 • Fax: (619) 661.3650  
 Email Sales: [national-sales@power-sonic.com](mailto:national-sales@power-sonic.com)  
 Email Customer Service: [customer-service@power-sonic.com](mailto:customer-service@power-sonic.com)  
 E-mail Technical Support: [technical-support@power-sonic.com](mailto:technical-support@power-sonic.com)

**International Sales**  
 Power-Sonic Corporation • P.O. Box 5242 • Redwood City, CA 94063 • U.S.A.  
 Phone: (650) 364-5001 • Fax: (650) 366-3662  
 Email Sales: [international-sales.com@power-sonic.com](mailto:international-sales.com@power-sonic.com)

**[www.power-sonic.com](http://www.power-sonic.com)**