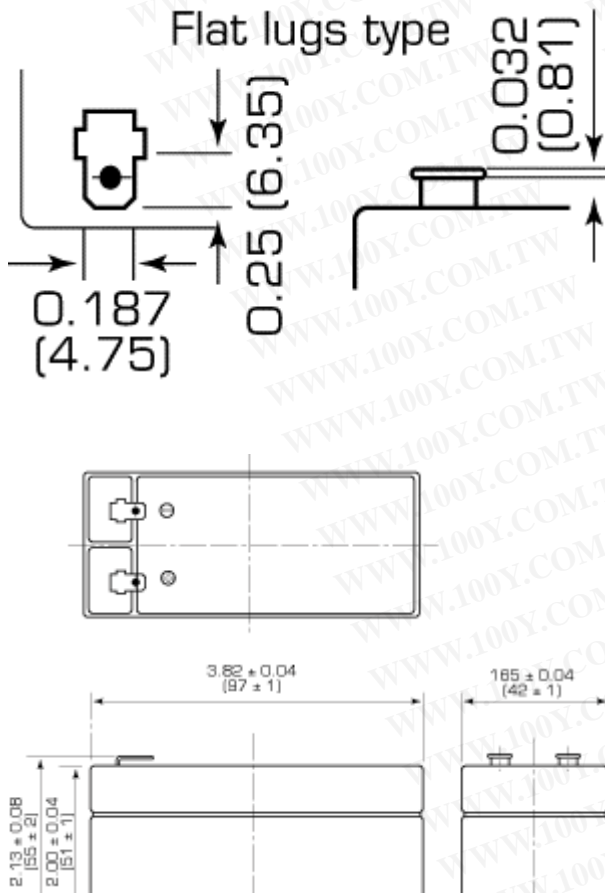
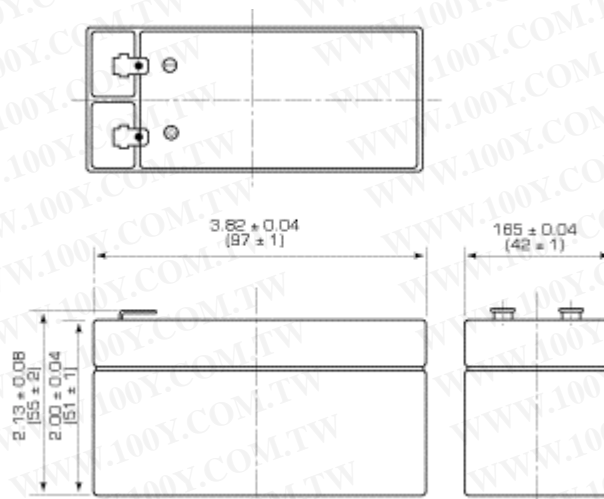


**PE12V1.2**
**Rechargeable Sealed Lead Acid Battery**
**Specifications**

**Dimensions**


<b>1</b>	Nominal Voltage	12V
<b>2</b>	Nominal Capacity	0.05C (0.06A to 10.50V) 1.20 AHR 0.1C (0.12A to 10.50V) 1.08 AHR 0.2C (0.24A to 10.20V) 0.936 AHR 1C (0.20A to 9.00V) 0.624 AHR
<b>3</b>	Weight (Approx.)	1.10 lbs. (0.55 kg)
<b>4</b>	Internal Resistance of fully charged battery	100 milliohms
<b>5</b>	Energy Density (0.05C)	1.14 Watt-hours/cubic inch (70.0 Watt-hours/ℓ)
<b>6</b>	Specific Energy (0.05C)	13.0 Watt-hours/pound (28.8 Watt-hours/ℓ)
<b>7</b>	Maximum Discharge Current with standard terminals	7.2 amperes
<b>8</b>	Maximum Short Duration Discharge Current (less than 5 sec.)	18 amperes
<b>9</b>	Vibration Test	(2000 cycles/minute, 0.10 excursion, 2 hours) No loss in capacity or performance



勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

10	Charge Retention (shelf life)	% of nominal capacity at 77°F (25°C)  1 month 97% 3 months 91% 6 months 85%
11	Operating Temperature Range	Charge 32°F (0°C) to 104°F (40°C) Discharge -4°F (-20°C) to 122°F (50°C) Storage -4°F (-20°C) to 104°F (40°C)
12	Case Material	Synthetic resin (ABS)
13	Standard Terminal	F1: AMP Faston type 187

**CHARGING METHODS**

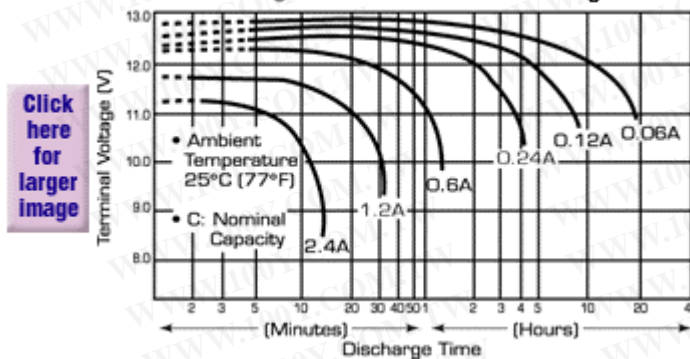
**CYCLIC USE:**

Maximum Initial Charge Current: 300 mA  
 Charging Voltage: 14.4V-14.7V  
 Charge should be switched to float mode or disconnected when current drops to 12mA.

**STANDBY USE:**

Maximum Initial Charge Current: 300 mA  
 Charge Voltage: 13.5V-13.8V

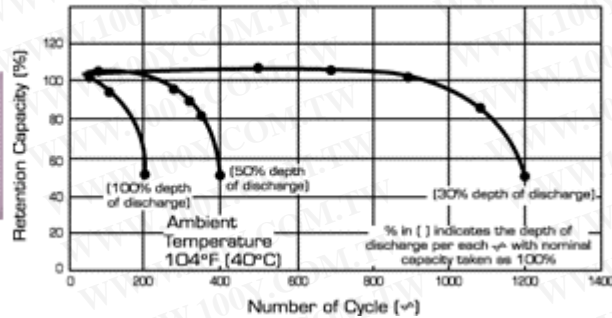
**Discharge Time vs. Terminal Voltage**



Click here for larger image

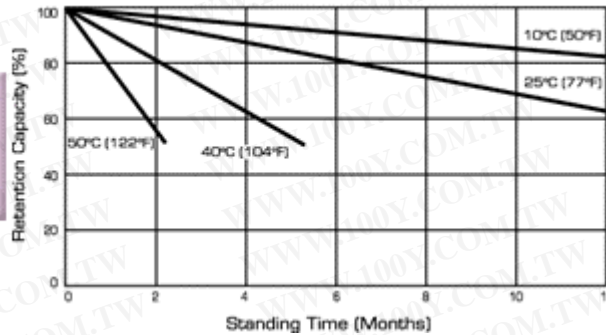
### Life Characteristics of Cyclic Use

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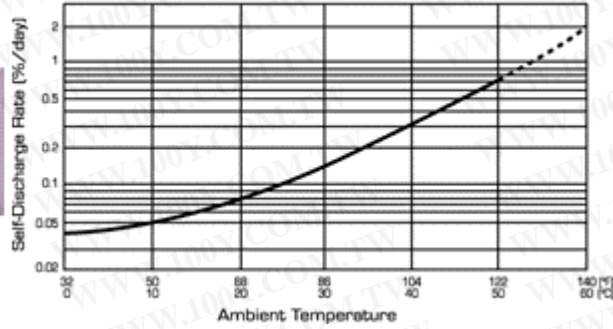
### Shelf Life Characteristics

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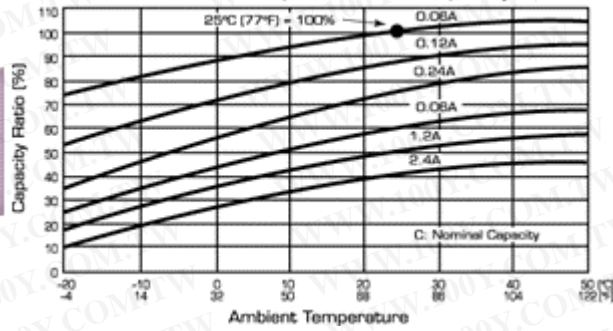
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Effect of Temperature on Self-Discharge Rate



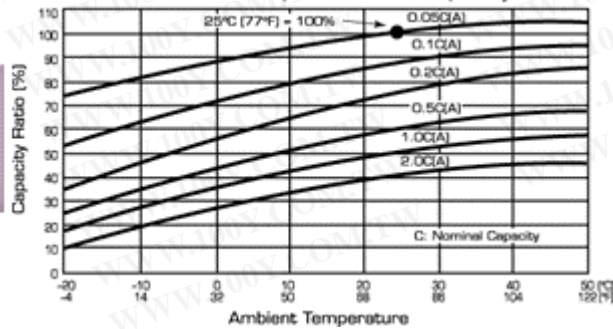
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Effect on Temperature on Capacity



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Effect on Temperature on Capacity

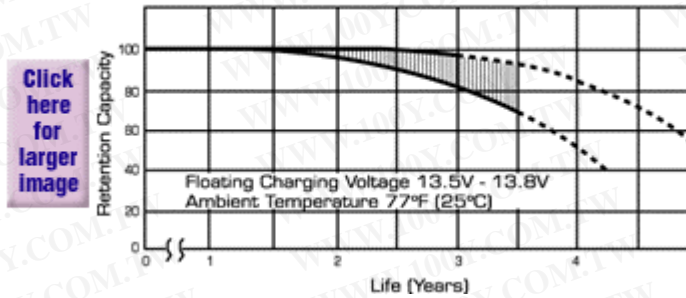


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Life Characteristics of Standby Use



Discharge Time vs Discharge Current

