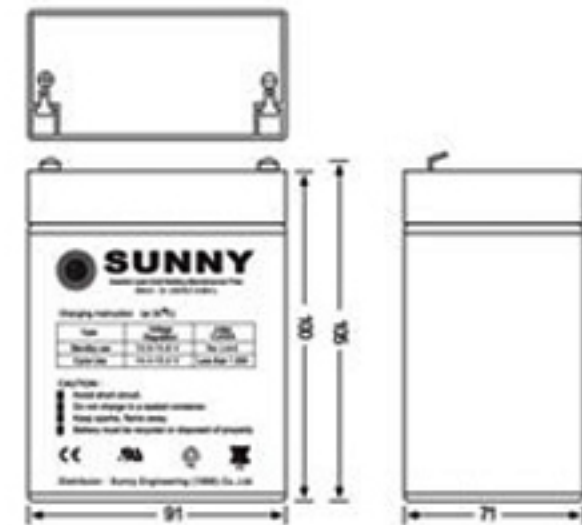
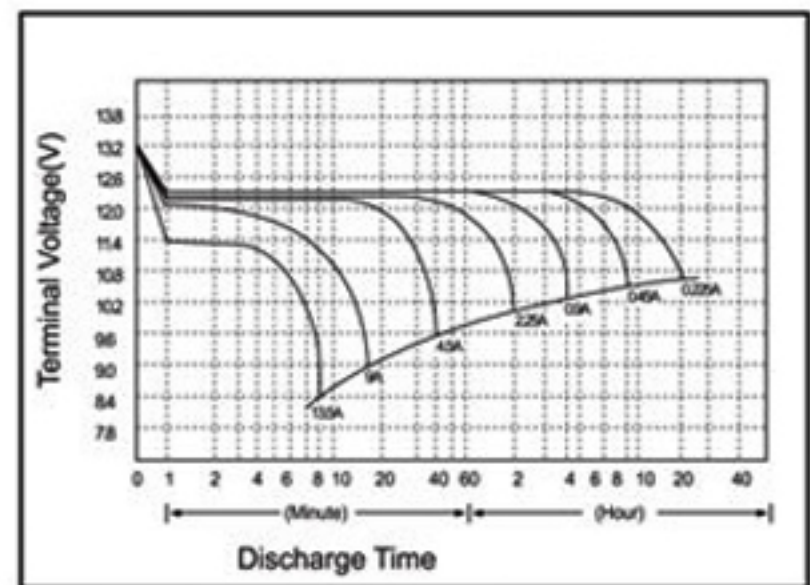



**Dimensions(mm)**


### Specifications

|                                     |  |                                |
|-------------------------------------|--|--------------------------------|
| <b>Nominal Voltage</b>              |  | <b>12V</b>                     |
| <b>Rated Capacity(20 hour rate)</b> |  | <b>4.5AH</b>                   |
| <b>Dimensions<br/>±1mm</b>          | <b>Length</b>                            | 91mm(3.58")                    |
|                                     | <b>Width</b>                             | 71mm(2.80")                    |
|                                     | <b>Height</b>                            | 100mm(3.94")                   |
|                                     | <b>Total Height<br/>(with terminals)</b> | 105mm(4.13")                   |
| <b>Weight</b>                       |  | <b>Approx.1.63kg (3.59lbs)</b> |
| <b>Standard Terminal</b>            |  | <b>F1</b>                      |
| <b>Optional Terminal</b>            |  | <b>F2</b>                      |

**Discharge Characteristics(20°C ,68°F )**


### Electrical Specifications

|  |   |       |
|--|---|-------|
| <b>Capacity<br/>77°F (25°C )</b>                                   | 20 hour rate (225mA)  | 4.5AH |
|  | 10 hour rate (420mA)  | 4.2AH |
|  | 5 hour rate (760mA)   | 3.8AH |
|  | 1 hour rate (2.6A)  | 2.6AH |
| <b>Internal Resistance</b>   | Fully charged battery<br>77°F (25°C )   | 35m Ω |
| <b>Capacity<br/>Affected by<br/>Temperature<br/>(20 hour rate)</b> | 104°F (40°C )   | 102%  |
|  | 77°F (25°C )  | 100%  |
|  | 32°F (0°C )   | 85%   |
|  | 5°F (-15°C )  | 65%   |
| <b>Self-Discharge<br/>77°F (25°C )</b>                             | Capacity after 3 month storage  | 92%   |
|  | Capacity after 6 month storage  | 83%   |
|  | Capacity after 12 month storage   | 65%   |
| <b>Charge<br/>Constant<br/>Voltage</b>                             | Cycle:Initial Charging Current less than1.35A<br>Voltage14.4-15.0V 77°F (25°C )<br>Standby:Voltage13.5-13.8V 77°F (25°C ) |       |

**Discharge Characteristics(0°C/32°F ,40°C /104°F )**
