

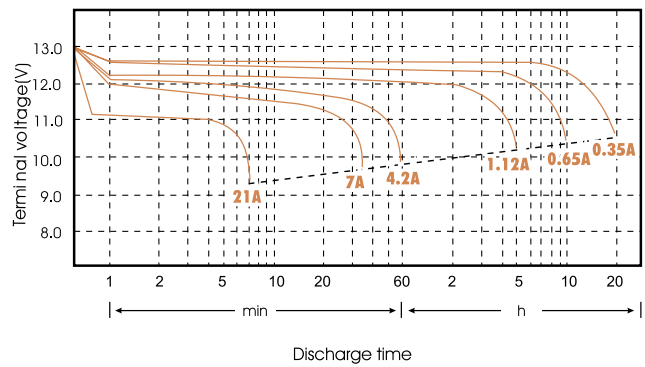
**SPECIFICATIONS**

|                              |                               |                           |
|------------------------------|-------------------------------|---------------------------|
| Nominal Voltage              |                               | 12V                       |
| Rated Capacity(20 hour rate) |                               | 7.0Ah                     |
| Dimensions                   | Total Height (with terminals) | 3.94inches(100mm)         |
|                              | Height                        | 3.70inches(94mm)          |
|                              | Length                        | 5.94inches(151mm)         |
|                              | Width                         | 2.56inches(65mm)          |
| Weight                       |                               | Approx. 4.74pound(2.15kg) |

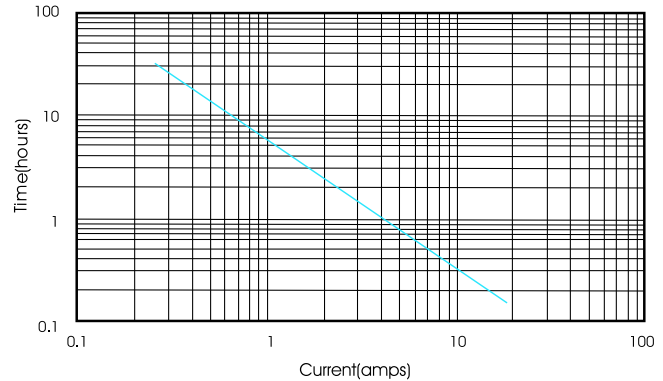
**CHARACTERISTICS**

|   |                                 |   |
|---|---------------------------------|---|
| Capacity<br>77°F(25°C)                          | 20 hour rate (0.35A)            | 7.0Ah   |
|   | 10 hour rate (0.65A)            | 6.5Ah   |
| Internal Resistance                             | 5 hour rate (1.12A)             | 5.6Ah   |
|   | 1 hour rate (4.20A)             | 4.2Ah   |
|   | 15 minute Rate (12.3A)          | 3.1Ah   |
| Capacity affected by Temperature (20 hour rate) | Full charged Battery 77°F(25°C) | 26mΩ  |
|   | 104°F(40°C)                     | 102%  |
|   | 77°F(25°C)                      | 100%  |
|   | 32°F(0°C)                       | 85%   |
| Self-Discharge<br>77°F(20°C)                    | 5°F(-15°C)                      | 65%   |
|   | Capacity after 3 month storage  | 91%   |
|   | Capacity after 6 month storage  | 81%   |
| Max. Discharge Current 77°F(25°C)               | Capacity after 12 month storage | 60%   |
|   | 105A(5S)                        |   |
| Terminal  |                                 | F1\F2   |
| Charge (Constant Voltage)                       | Cycle                           | Initial Charging Current less than 2.1A<br>Voltage 14.4~14.7V/7°F(25°C) |
|   | Float                           | Voltage 13.5~13.8V/77°F(25°C)   |

**DISCHARGE CURVES 77°F(25°C)**



**DISCHARGE CURRENT VS. TIME 77°F(25°C)**



The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values.

**CONSTANT WATTAGE DISCHARGE (WATTS PER CELL@25°C)**

| Cut off voltage v/cell | 5M   | 10M  | 15M  | 30M  | 45M  | 60M  |
|------------------------|------|------|------|------|------|------|
| 1.60V                  | 49.8 | 31.9 | 24.3 | 14.6 | 10.5 | 8.49 |
| 1.65V                  | 48.1 | 31.1 | 24.0 | 14.3 | 10.4 | 8.44 |
| 1.70V                  | 46.2 | 30.8 | 23.8 | 13.4 | 10.0 | 8.28 |
| 1.75V                  | 45.6 | 30.7 | 23.6 | 13.0 | 9.71 | 8.14 |
| 1.80V                  | 41.7 | 29.7 | 21.9 | 12.4 | 9.32 | 7.68 |