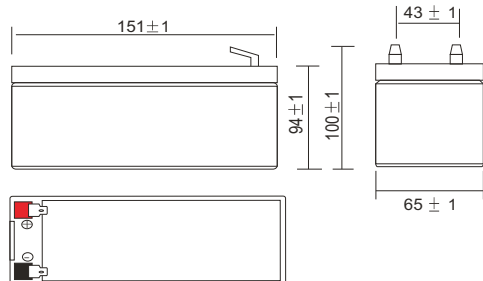
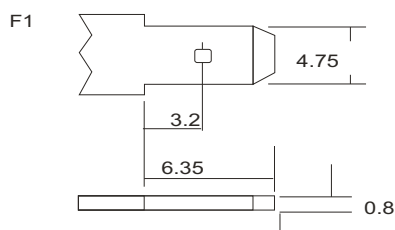
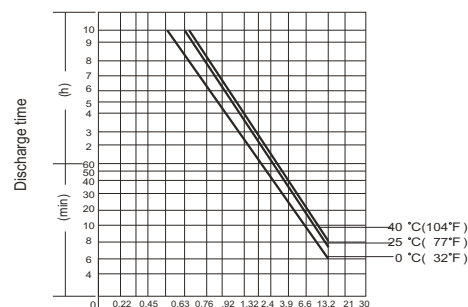
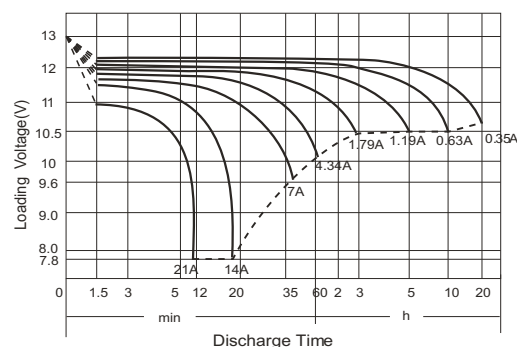


**Dimensions (mm)****Standard Terminal (mm)****Physical Specification**

|                         |                              |               |
|-------------------------|------------------------------|---------------|
| Nominal Voltage         |                              | 12V           |
| Nominal Capacity (20HR) |                              | 7AH           |
| Dimension               | Length                       | 151 ± 1mm     |
|                         | Width                        | 65 ± 1mm      |
|                         | Container Height             | 94 ± 1mm      |
|                         | Total Height (with Terminal) | 100 ± 1mm     |
| Weight                  |                              | Approx 2.54kg |
| Standard Terminal       |                              | F1            |

**Electrical Specification**

|                                  |                      |        |                  |         |                                                                                                            |
|----------------------------------|----------------------|--------|------------------|---------|------------------------------------------------------------------------------------------------------------|
| Rated Capacity                   | 20 hour rate (350mA) | 7.0AH  | Constant-Voltage | Cycle   | Initial Charging Current less than 2.1A. Voltage 14.4V~ 15.0V at 25°C (77°F)<br>Temp. Coefficient -30mV/°C |
|                                  | 10 hour rate (630mA) | 6.3AH  |                  |         |                                                                                                            |
|                                  | 5 hour rate (1.19A)  | 5.5AH  |                  |         |                                                                                                            |
|                                  | 1 hour rate (4.34A)  | 4.34AH |                  |         |                                                                                                            |
| Capacity affected by Temperature | 40°C (104°F)         | 103%   | Charge           | Standby | No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C(77°F)<br>Temp. Coefficient - 20mV/°C      |
|                                  | 25°C (77°F)          | 100%   |                  |         |                                                                                                            |
|                                  | 0°C (32°F)           | 86%    |                  |         |                                                                                                            |

**Discharging Current & Discharge Duration Time****Discharge Characteristics (25°C ,77°C)****Constant Current Discharge Characteristics Unit: Amperes (25°C, 77°F)**

| F.V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 1HR  | 2HR  | 3HR  | 4HR  | 5HR  | 8HR   | 10HR  | 20HR  |
|----------|------|-------|-------|-------|------|------|------|------|------|-------|-------|-------|
| 1.60V    | 27.0 | 18.4  | 13.60 | 8.05  | 4.55 | 2.60 | 1.97 | 1.58 | 1.30 | 0.848 | 0.704 | 0.367 |
| 1.67V    | 23.3 | 16.4  | 12.30 | 7.47  | 4.34 | 2.49 | 1.88 | 1.51 | 1.23 | 0.833 | 0.689 | 0.363 |
| 1.70V    | 22.2 | 15.7  | 12.00 | 7.23  | 4.26 | 2.45 | 1.83 | 1.48 | 1.22 | 0.827 | 0.682 | 0.360 |
| 1.75V    | 20.2 | 14.4  | 11.20 | 6.94  | 4.13 | 2.36 | 1.79 | 1.45 | 1.20 | 0.816 | 0.676 | 0.354 |
| 1.80V    | 17.9 | 13.1  | 10.30 | 6.69  | 3.94 | 2.27 | 1.75 | 1.41 | 1.16 | 0.802 | 0.669 | 0.350 |
| 1.85V    | 13.3 | 10.2  | 8.48  | 5.67  | 3.52 | 2.08 | 1.63 | 1.32 | 1.08 | 0.756 | 0.631 | 0.347 |

**Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)**

| F.V/Time | 5MIN  | 10MIN | 15MIN | 30MIN | 1HR  | 2HR  | 3HR  | 4HR  | 5HR   | 8HR  | 10HR | 20HR |
|----------|-------|-------|-------|-------|------|------|------|------|-------|------|------|------|
| 1.60V    | 268.7 | 187.2 | 142.6 | 88.1  | 51.4 | 29.6 | 22.6 | 18.3 | 15.00 | 9.94 | 8.30 | 4.33 |
| 1.67V    | 238.9 | 171.8 | 132.1 | 82.6  | 49.4 | 28.6 | 21.6 | 17.4 | 14.30 | 9.80 | 8.14 | 4.30 |
| 1.70V    | 229.4 | 165.0 | 128.5 | 80.3  | 48.6 | 28.2 | 21.2 | 17.2 | 14.20 | 9.73 | 8.07 | 4.26 |
| 1.75V    | 214.3 | 154.9 | 122.1 | 77.6  | 47.3 | 27.2 | 20.7 | 16.8 | 14.00 | 9.61 | 8.00 | 4.19 |
| 1.80V    | 194.2 | 143.3 | 113.2 | 75.3  | 45.4 | 26.3 | 20.4 | 16.5 | 13.60 | 9.47 | 7.93 | 4.15 |
| 1.85V    | 146.2 | 113.5 | 94.9  | 64.8  | 40.9 | 24.3 | 19.0 | 15.5 | 12.70 | 8.95 | 7.50 | 4.12 |