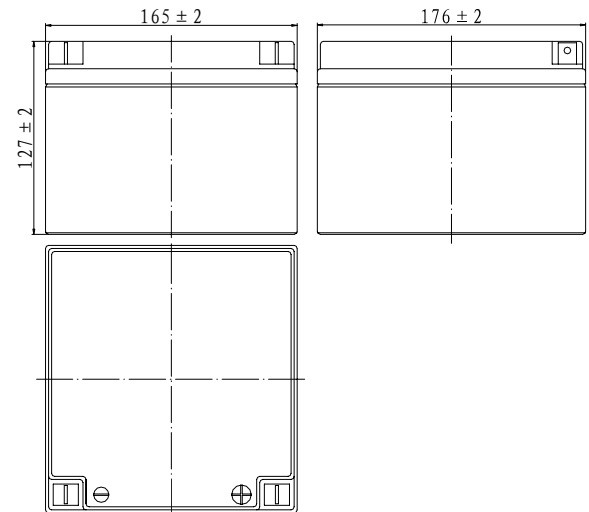


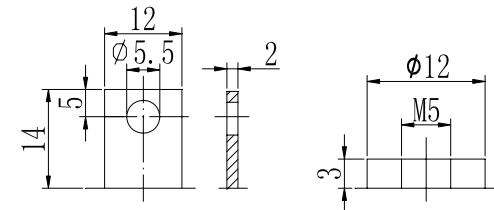
**Specifications**

|   |              |   |
|---|--------------|---|
| Nominal Voltage                           |              | 12 V  |
| Capacity (25°C)                           | 20HR(10.5V)  | 26 Ah   |
|   | 10HR(10.5V)  | 24.2Ah  |
|   | 1HR(9.60V)   | 16.3Ah  |
| Dimension                                 | Length       | 165 ± 2mm (6.50inch)                                  |
|   | Width        | 176 ± 2mm (6.93inch)                                  |
|   | Height       | 127 ± 2mm (5.00inch)                                  |
|   | Total Height | 127 ± 2mm (5.00inch)                                  |
| Approx. Weight                            |              | 7.9kg (17.4lbs) ± 4%                                  |
| Terminal type                             |              | T3/T8   |
| Internal resistance (Fully charged, 25°C) |              | Approx. 12mΩ  |
| Capacity affected by temperature (20HR)   | 40°C         | 102%  |
|   | 25°C         | 100%  |
|   | 0°C          | 85%   |
|   | -15°C        | 65%   |
| Self-discharge (25°C)                     | 3 month      | Remaining Capacity: 91%                               |
|   | 6 month      | Remaining Capacity: 82%                               |
|   | 12 month     | Remaining Capacity: 65%                               |
| Nominal operating temperature             |              | 25°C ± 3°C (77°F ± 5°F)                               |
| Operating temperature range               | Discharge    | -15°C ~ 50°C (5°F ~ 122°F)                            |
|   | Charge       | -10°C ~ 50°C (14°F ~ 122°F)                           |
|   | Storage      | -20°C ~ 50°C (-4°F ~ 122°F)                           |
| Float charging voltage(25°C)              |              | 13.60 to 13.80V<br>Temperature compensation: -18mV/°C |
| Cyclic charging voltage(25°C)             |              | 14.50 to 14.90V<br>Temperature compensation: -30mV/°C |
| Maximum charging current                  |              | 7.8A  |
| Terminal material                         |              | Copper  |
| Maximum discharge current                 |              | 390A(5 sec.)  |
| Designed floating life(20°C)              |              | 3~5 years   |

**Dimensions**



**Terminal**



Terminal T3

Terminal T8

- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

**Constant Current Discharge Characteristics (A, 25°C)**

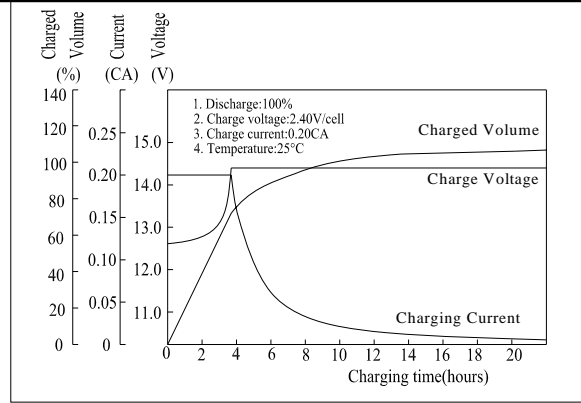
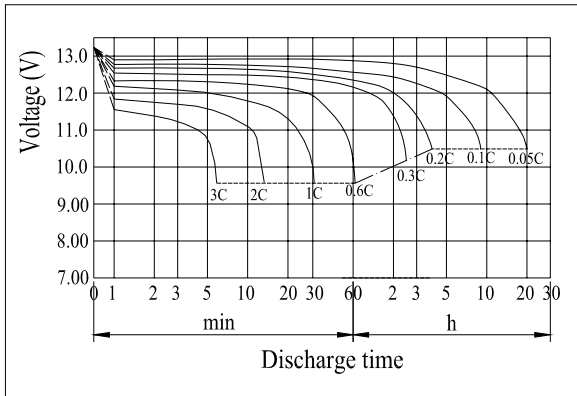
| F.V/TIME | 10min | 15min | 30min | 60min | 2h   | 3h   | 4h   | 5h   | 8h   | 10h  | 20h  |
|----------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 9.60V    | 60.0  | 47.5  | 26.5  | 16.3  | 9.24 | 6.63 | 5.30 | 4.51 | 2.92 | 2.45 | 1.32 |
| 9.90V    | 58.2  | 46.4  | 26.0  | 16.0  | 9.18 | 6.59 | 5.27 | 4.48 | 2.90 | 2.44 | 1.31 |
| 10.2V    | 55.8  | 44.7  | 25.2  | 15.6  | 9.10 | 6.55 | 5.24 | 4.45 | 2.88 | 2.43 | 1.31 |
| 10.5V    | 53.4  | 43.1  | 24.6  | 15.3  | 8.96 | 6.50 | 5.20 | 4.42 | 2.86 | 2.42 | 1.30 |
| 10.8V    | 50.4  | 40.9  | 23.7  | 14.8  | 8.74 | 6.31 | 5.04 | 4.29 | 2.77 | 2.37 | 1.27 |

**Constant Power Discharge Characteristics (Watt, 25°C)**

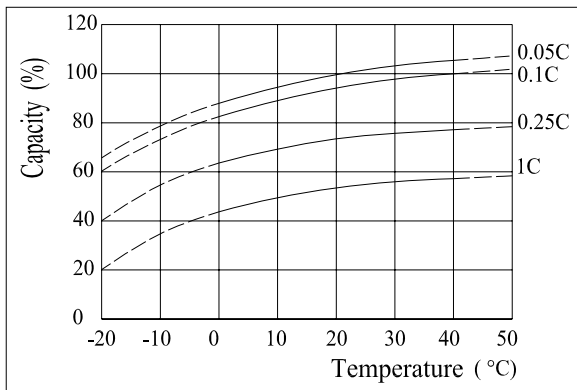
| F.V/TIME | 10min | 15min | 30min | 60min | 2h  | 3h   | 4h   | 5h   | 8h   | 10h  | 20h  |
|----------|-------|-------|-------|-------|-----|------|------|------|------|------|------|
| 9.60V    | 677   | 542   | 304   | 188   | 108 | 78.8 | 63.2 | 53.8 | 35.0 | 29.5 | 15.8 |
| 9.90V    | 656   | 529   | 298   | 185   | 107 | 78.3 | 62.8 | 53.5 | 34.8 | 29.3 | 15.8 |
| 10.2V    | 629   | 509   | 289   | 181   | 106 | 77.8 | 62.4 | 53.1 | 34.6 | 29.2 | 15.7 |
| 10.5V    | 602   | 492   | 282   | 177   | 105 | 77.2 | 61.9 | 52.8 | 34.3 | 29.0 | 15.6 |
| 10.8V    | 569   | 466   | 271   | 172   | 102 | 74.9 | 60.1 | 51.2 | 33.3 | 28.4 | 15.3 |

Note: The above characteristics data can be obtained within three charge/discharge cycles.

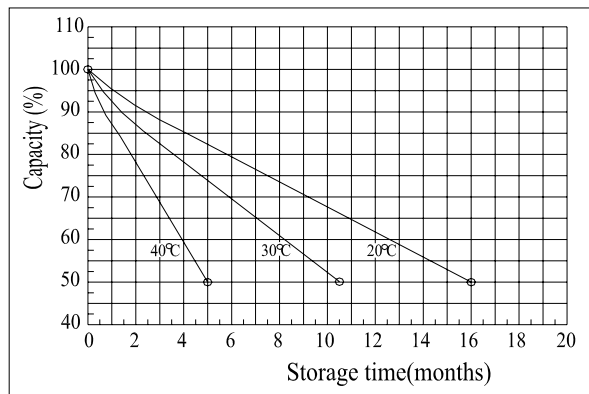
**Discharge Characteristics(25°C)**



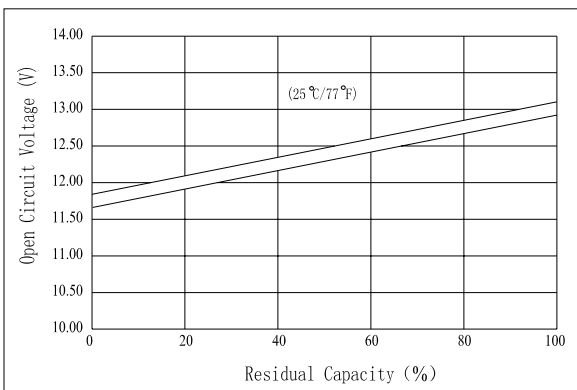
**Effect of Temperature on Capacity**



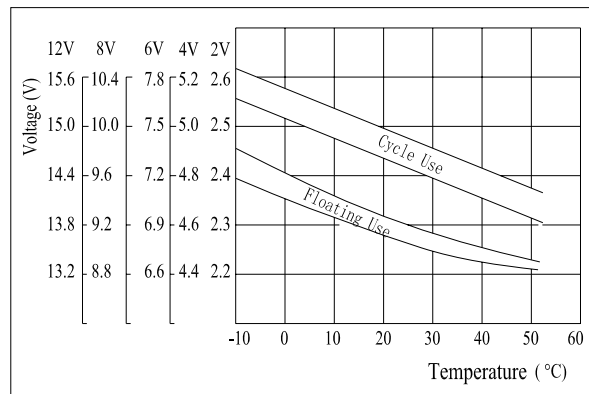
**Self-discharge Characteristics**



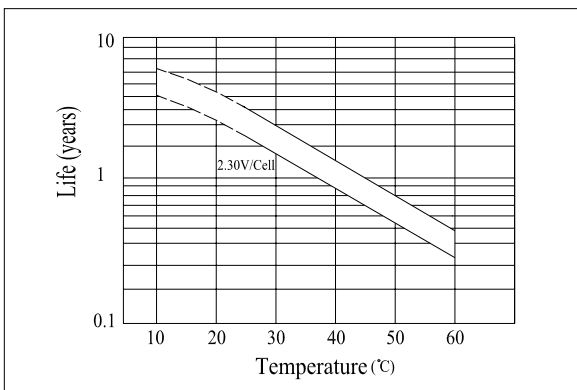
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



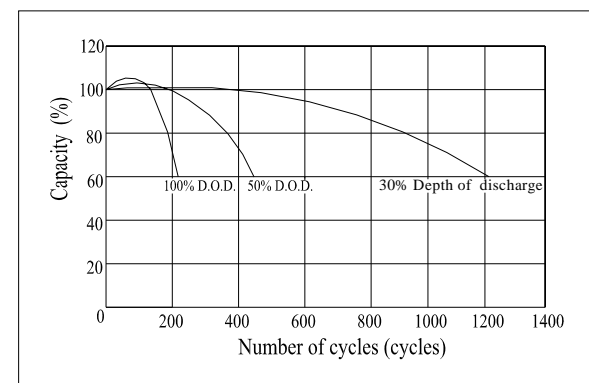
**The Relationship for Charging Voltage and Temperature**



**Floating Life on Temperature**



**Cycle Life on D.O.D(25°C)**



**Charging Characteristics(25°C)**