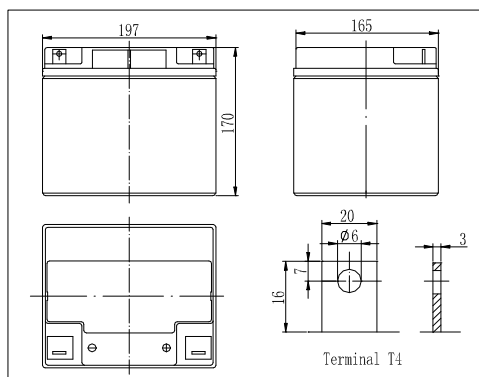
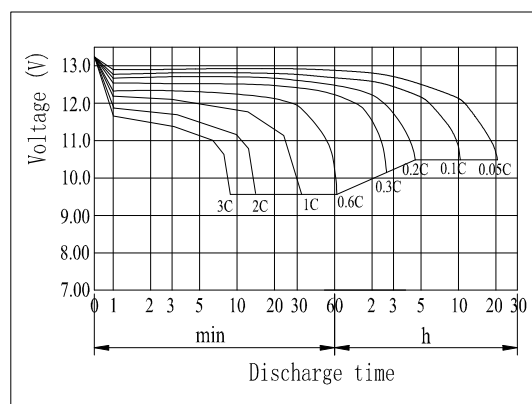
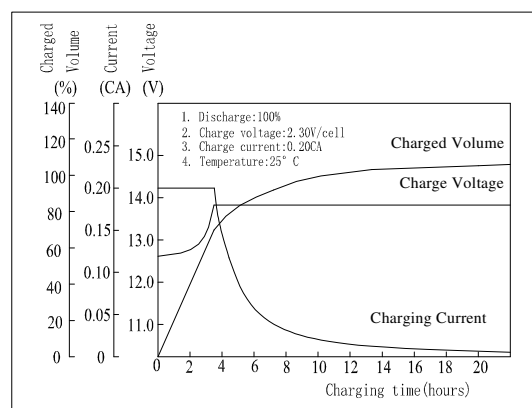
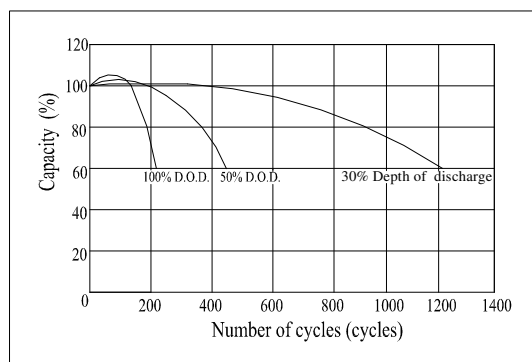


**Dimensions****Specifications**

|                                                  |              |                            |
|--------------------------------------------------|--------------|----------------------------|
| Nominal Voltage                                  |              | 12 V                       |
| Capacity(10HR, 25°C)                             |              | 40Ah                       |
| Dimension                                        | Length       | 197mm (7.76inch)           |
|                                                  | Width        | 165mm (6.50inch)           |
|                                                  | Height       | 170mm (6.69inch)           |
|                                                  | Total Height | 170mm (6.69inch)           |
| Approx. Weight                                   |              | 13.5kg (29.8lbs)           |
| Internal resistance<br>(Fully charged, 25°C)     |              | Approx. 9.5mΩ              |
| Capacity<br>affected by<br>temperature<br>(10HR) | 40°C         | 102%                       |
|                                                  | 25°C         | 100%                       |
|                                                  | 0°C          | 85%                        |
|                                                  | -15°C        | 65%                        |
| Self-discharge<br>(25°C)                         | 3 month      | Remaining Capacity: 91%    |
|                                                  | 6 month      | Remaining Capacity: 82%    |
|                                                  | 12 month     | Remaining Capacity: 65%    |
| Nominal operating<br>temperature                 |              | 25°C ± 3°C (77°F ± 5°F)    |
| Operating temperature range                      |              | -15°C ~ 50°C (5°F ~ 122°F) |
| Float charging voltage(25°C)                     |              | 13.50 to 13.80V            |
| Cyclic charging voltage(25°C)                    |              | 14.50 to 14.90V            |
| Maximum charging current                         |              | 12A                        |
| Terminal material                                |              | Copper                     |
| Maximum discharge current                        |              | 400A(5 sec.)               |

- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ Flame retardant ABS container (UL94V-0/ 94V-2).

**Discharge Characteristics(25°C)****Charging Characteristics(25°C)****Cycle Life(25°C)**

Note: Floating life at 25°C designed for 7 to 10 years.

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

| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 3h   | 5h   | 10h  | 20h  |
|----------|------|-------|-------|-------|-------|------|------|------|------|
| 9.60V    | 122  | 81.0  | 68.0  | 40.0  | 26.0  | 10.4 | 7.31 | 4.06 | 2.10 |
| 10.2V    | 116  | 77.0  | 65.3  | 38.4  | 25.0  | 10.2 | 7.20 | 4.02 | 2.10 |
| 10.8V    | 109  | 72.3  | 62.0  | 36.5  | 23.7  | 10.0 | 7.06 | 4.00 | 2.05 |

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

| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 3h  | 5h   | 10h  | 20h  |
|----------|------|-------|-------|-------|-------|-----|------|------|------|
| 9.60V    | 1281 | 875   | 747   | 449   | 296   | 122 | 86.4 | 48.5 | 25.2 |
| 10.2V    | 1217 | 831   | 717   | 431   | 285   | 120 | 85.1 | 48.0 | 25.2 |
| 10.8V    | 1144 | 781   | 681   | 409   | 270   | 118 | 83.4 | 48.0 | 24.6 |