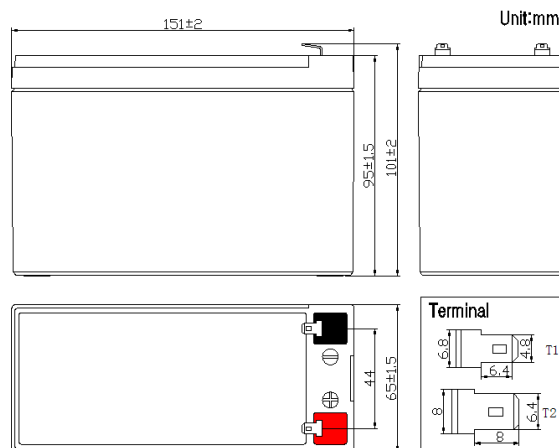


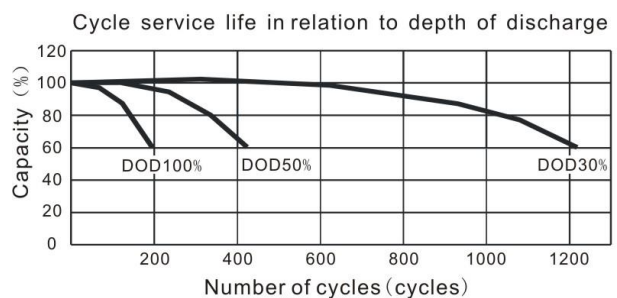
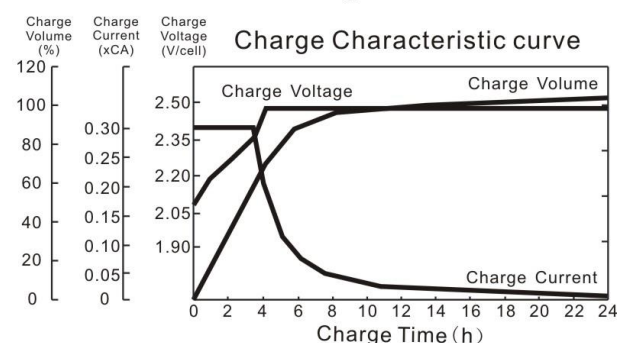
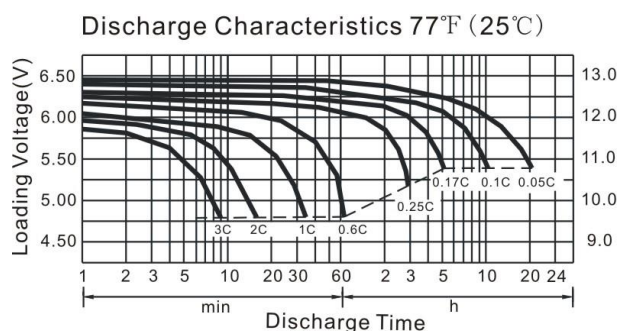


### Specifications

|                                  |              |        |
|----------------------------------|--------------|--------|
| Nominal Voltage                  |              | 12V    |
| Rated Capacity 77°F(25°C) (20HR) |              | 7.0Ah  |
| Dimensions (mm)                  | Length       | 151±2  |
|                                  | Width        | 65±1.5 |
|                                  | Height       | 95±1.5 |
|                                  | Total Height | 101±2  |
| Approx. Weight (kg)              |              | 2.15   |
| Terminal                         |              | T1/T2  |

### Characteristic

|                                            |                                 |                                         |
|--------------------------------------------|---------------------------------|-----------------------------------------|
| Capacity 77°F(25°C)                        | 20HR (0.350A)                   | 7.00Ah                                  |
|                                            | 10HR (0.651A)                   | 6.51Ah                                  |
|                                            | 5HR (1.190A)                    | 5.95Ah                                  |
|                                            | 1HR (4.270A)                    | 4.27Ah                                  |
|                                            | 15 min rate (14.84A)            | 3.71Ah                                  |
| Internal Resistance                        | Full Charged Battery 77°F(25°C) | Approx. 22mΩ                            |
| Temperature dependence of capacity (20HR)  | 104°F(40°C)                     | 102%                                    |
|                                            | 77°F(25°C)                      | 100%                                    |
|                                            | 32°F(0°C)                       | 85%                                     |
|                                            | 5°F(-15°C)                      | 65%                                     |
| Self-Discharge 68°F(20°C) (Capacity after) | 3 months                        | 90%                                     |
|                                            | 6 months                        | 80%                                     |
|                                            | 12 months                       | 60%                                     |
| Max. Discharge Current, 77°F(25°C)         |                                 | 105A(5s)                                |
| Floating design life, 77°F(25°C)           |                                 | 5 years                                 |
| Constant Voltage Charge, 77°F(25°C)        | Cycle                           | 14.5~14.9V(-24mV/°C) max. current: 2.1A |
|                                            | Float                           | 13.6~13.8V(-18mV/°C)                    |



### Constant Current Discharge Characteristics (A), 77°F(25°C)

| F.V/TIME   | 5min  | 10min | 15min | 20min | 30min | 60min | 1.5H  | 3H    | 5H    | 10H   | 20H   |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.60V/cell | 28.35 | 19.85 | 14.84 | 11.82 | 7.840 | 4.577 | 3.633 | 1.827 | 1.232 | 0.672 | 0.361 |
| 1.70V/cell | 26.94 | 18.86 | 14.10 | 11.23 | 7.665 | 4.410 | 3.500 | 1.785 | 1.211 | 0.665 | 0.357 |
| 1.75V/cell | 25.86 | 18.10 | 13.53 | 10.78 | 7.441 | 4.330 | 3.437 | 1.750 | 1.190 | 0.651 | 0.353 |
| 1.80V/cell | 24.75 | 17.19 | 12.96 | 10.33 | 7.126 | 4.256 | 3.378 | 1.720 | 1.169 | 0.644 | 0.350 |

### Constant Wattage Discharge Characteristics (Watt), 77°F(25°C)

| F.V/TIME   | 5min  | 10min | 15min | 20min | 30min | 60min | 1.5H  | 3H    | 5H    | 10H   | 20H   |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.60V/cell | 51.49 | 36.38 | 27.45 | 21.97 | 14.63 | 8.618 | 6.902 | 3.501 | 2.380 | 1.323 | 0.714 |
| 1.70V/cell | 49.38 | 34.89 | 26.31 | 21.07 | 14.43 | 8.379 | 6.709 | 3.451 | 2.359 | 1.316 | 0.707 |
| 1.75V/cell | 47.84 | 33.78 | 25.48 | 20.38 | 14.13 | 8.299 | 6.644 | 3.413 | 2.338 | 1.302 | 0.703 |
| 1.80V/cell | 46.20 | 32.38 | 24.63 | 19.71 | 13.66 | 8.228 | 6.587 | 3.383 | 2.317 | 1.288 | 0.700 |