

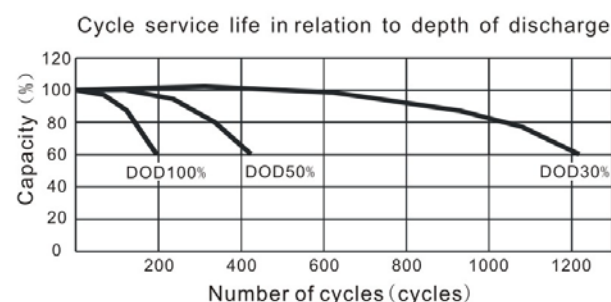
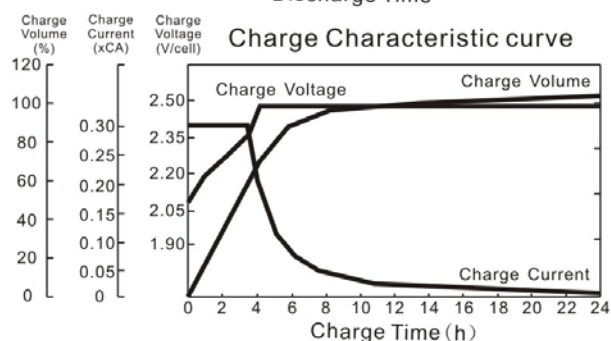
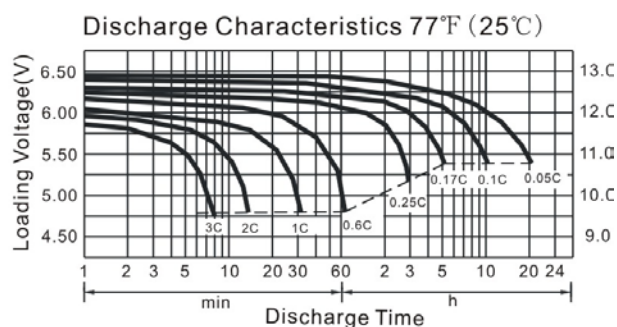
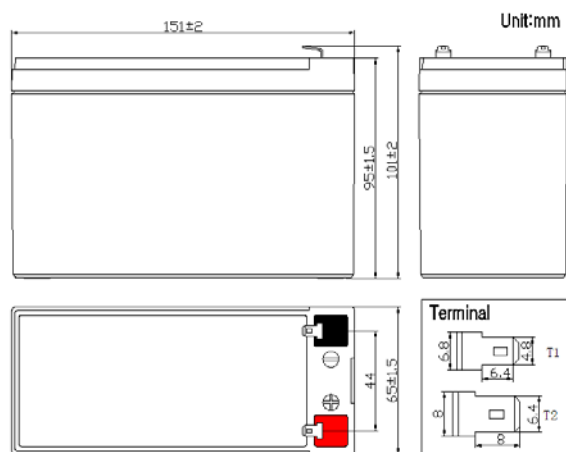


### Specifications

|                                  |              |        |
|----------------------------------|--------------|--------|
| 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)              |              | 2.0    |
| 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 (12.95A)            | 3.24Ah                                  |
| 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 | 30min | 60min | 2H   | 3H   | 5H    | 8H    | 10H   | 20H   |
|------------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|
| 1.60V/cell | 26.60 | 16.80 | 12.95 | 7.00  | 4.43  | 2.50 | 1.83 | 1.232 | 0.819 | 0.672 | 0.361 |
| 1.70V/cell | 25.27 | 15.96 | 12.37 | 6.69  | 4.27  | 2.40 | 1.79 | 1.211 | 0.812 | 0.665 | 0.357 |
| 1.75V/cell | 24.78 | 15.61 | 12.15 | 6.55  | 4.19  | 2.36 | 1.75 | 1.190 | 0.798 | 0.651 | 0.353 |
| 1.80V/cell | 24.29 | 15.26 | 11.93 | 6.43  | 4.12  | 2.32 | 1.72 | 1.169 | 0.791 | 0.644 | 0.350 |

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

| F.V/TIME   | 5min  | 10min | 15min | 30min | 60min | 2H   | 3H   | 5H    | 8H    | 10H   | 20H   |
|------------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|
| 1.60V/cell | 48.30 | 30.80 | 23.96 | 13.07 | 8.34  | 4.75 | 3.50 | 2.380 | 1.603 | 1.323 | 0.714 |
| 1.70V/cell | 46.34 | 29.54 | 23.09 | 12.60 | 8.11  | 4.60 | 3.45 | 2.359 | 1.596 | 1.316 | 0.707 |
| 1.75V/cell | 45.85 | 29.12 | 22.88 | 12.45 | 8.04  | 4.56 | 3.42 | 2.338 | 1.582 | 1.302 | 0.703 |
| 1.80V/cell | 45.36 | 28.77 | 22.67 | 12.32 | 7.97  | 4.52 | 3.39 | 2.317 | 1.568 | 1.288 | 0.700 |