

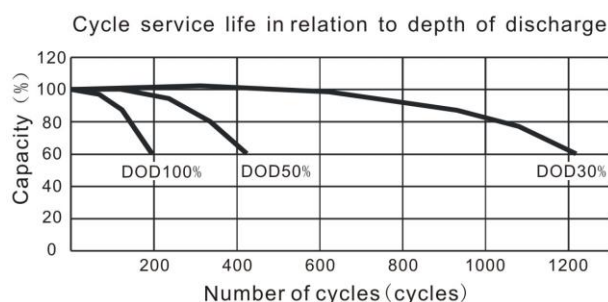
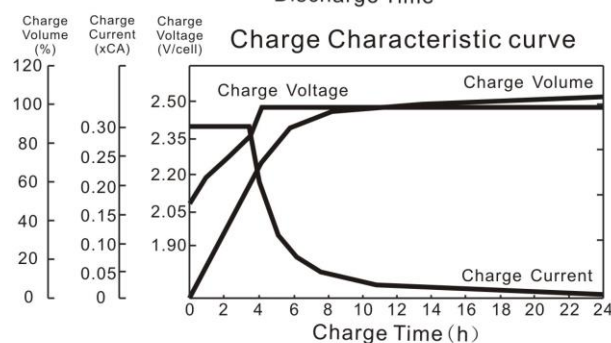
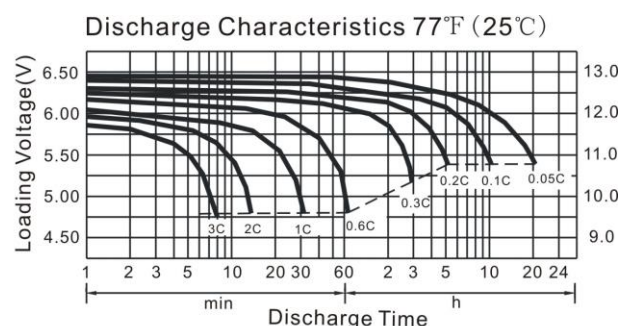
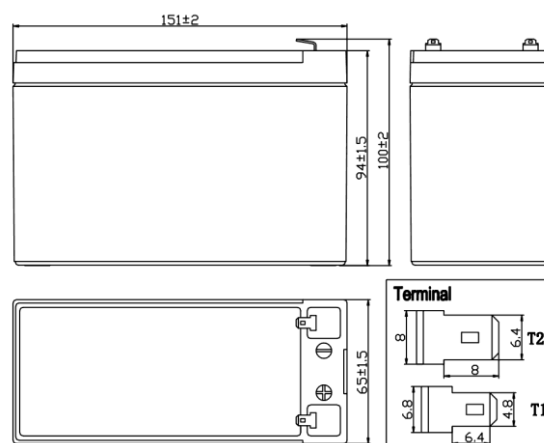


### Specifications

|                                  |              |         |
|----------------------------------|--------------|---------|
| Nominal Voltage                  |              | 12V     |
| Rated Capacity 77°F(25°C) (20HR) |              | 9.0Ah   |
| Dimensions (mm)                  | Length       | 151±2   |
|                                  | Width        | 65±1.5  |
|                                  | Height       | 94±1.5  |
|                                  | Total Height | 100±2   |
| Approx. Weight (kg)              |              | 2.44±3% |
| Terminal                         |              | T1/T2   |

### Characteristic

|                                            |                                 |                                            |
|--------------------------------------------|---------------------------------|--------------------------------------------|
| Capacity 77°F(25°C)                        | 20HR (0.400A)                   | 9.00Ah                                     |
|                                            | 10HR (0.744A)                   | 7.44Ah                                     |
|                                            | 5HR (1.36A)                     | 6.80Ah                                     |
|                                            | 1HR (4.88A)                     | 4.88Ah                                     |
|                                            | 15 min rate (14.8A)             | 3.70Ah                                     |
| Internal Resistance                        | Full Charged Battery 77°F(25°C) | Approx. 20mΩ                               |
| 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)         |                                 | 120A(5s)                                   |
| Floating design life, 77°F(25°C)           |                                 | 5 years                                    |
| Constant Voltage Charge, 77°F(25°C)        | Cycle                           | 14.5~14.9V(-24mV/°C)<br>max. current: 2.4A |
|                                            | 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 | 30.4 | 19.20 | 14.80 | 8.00  | 5.06  | 2.86 | 2.09 | 1.408 | 0.936 | 0.768 | 0.412 |
| 1.70V/cell | 28.9 | 18.24 | 14.14 | 7.65  | 4.88  | 2.74 | 2.04 | 1.384 | 0.928 | 0.760 | 0.408 |
| 1.75V/cell | 28.3 | 17.84 | 13.88 | 7.49  | 4.79  | 2.70 | 2.00 | 1.360 | 0.912 | 0.744 | 0.404 |
| 1.80V/cell | 27.8 | 17.44 | 13.63 | 7.34  | 4.71  | 2.65 | 1.97 | 1.336 | 0.904 | 0.736 | 0.400 |

### 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 | 55.2 | 35.20 | 27.38 | 14.94 | 9.54  | 5.42 | 4.00 | 2.720 | 1.832 | 1.512 | 0.816 |
| 1.70V/cell | 53.0 | 33.76 | 26.38 | 14.40 | 9.27  | 5.26 | 3.94 | 2.696 | 1.824 | 1.504 | 0.808 |
| 1.75V/cell | 52.4 | 33.28 | 26.14 | 14.22 | 9.18  | 5.22 | 3.90 | 2.672 | 1.808 | 1.488 | 0.804 |
| 1.80V/cell | 51.8 | 32.88 | 25.90 | 14.08 | 9.11  | 5.16 | 3.87 | 2.648 | 1.792 | 1.472 | 0.800 |